

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082925\
 Data File : VY023237.D
 Acq On : 29 Aug 2025 11:12
 Operator : SY/MD
 Sample : Q2893-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT3-2025

Quant Time: Aug 30 01:29:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 30 01:27:05 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 09/03/2025
 Supervised By : Mahesh Dadoda 09/03/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	434694	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	715461	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	603818	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.346	152	284265	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	204788	49.431	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.860%		
35) Dibromofluoromethane	7.634	113	215794	50.406	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.820%		
50) Toluene-d8	10.109	98	797335	47.675	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	95.340%		
62) 4-Bromofluorobenzene	12.407	95	232641	43.254	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	86.500%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	9382	2.644	ug/l	91
3) Chloromethane	2.074	50	14327	2.493	ug/l	98
4) Vinyl Chloride	2.208	62	18079	2.545	ug/l	100
5) Bromomethane	2.598	94	17944	3.382	ug/l	93
6) Chloroethane	2.738	64	13662	2.893	ug/l	98
7) Trichlorofluoromethane	3.062	101	22848	2.645	ug/l	96
8) Diethyl Ether	3.458	74	6351	2.779	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.817	101	12683	2.976	ug/l	95
10) Methyl Iodide	4.013	142	10786	2.345	ug/l	99
11) Tert butyl alcohol	4.866	59	3511	12.368	ug/l	97
12) 1,1-Dichloroethene	3.793	96	11823	2.822	ug/l	88
13) Acrolein	3.647	56	390m	0.938	ug/l	
14) Allyl chloride	4.384	41	13667	2.217	ug/l	93
15) Acrylonitrile	5.073	53	11131	11.980	ug/l	96
16) Acetone	3.872	43	13156	14.658	ug/l	92
17) Carbon Disulfide	4.110	76	32339	2.368	ug/l	100
18) Methyl Acetate	4.397	43	7725	2.892	ug/l #	85
19) Methyl tert-butyl Ether	5.122	73	24612	2.267	ug/l	92
20) Methylene Chloride	4.622	84	21089	3.914	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	12804	2.720	ug/l	85
22) Diisopropyl ether	6.024	45	29406	2.195	ug/l #	89
23) Vinyl Acetate	5.970	43	68830	9.294	ug/l	97
24) 1,1-Dichloroethane	5.915	63	21948	2.680	ug/l	96
25) 2-Butanone	6.908	43	14062	11.520	ug/l	99
26) 2,2-Dichloropropane	6.890	77	18055	2.555	ug/l	93
27) cis-1,2-Dichloroethene	6.890	96	13854	2.546	ug/l	98
28) Bromochloromethane	7.250	49	8777	2.702	ug/l	95
29) Tetrahydrofuran	7.268	42	7884	10.420	ug/l	97
30) Chloroform	7.427	83	23650	2.800	ug/l	94
31) Cyclohexane	7.707	56	24321	3.152	ug/l #	67
32) 1,1,1-Trichloroethane	7.622	97	20710	2.764	ug/l	98
36) 1,1-Dichloropropene	7.841	75	15674	2.464	ug/l	94
37) Ethyl Acetate	6.988	43	6459	2.417	ug/l #	79
38) Carbon Tetrachloride	7.817	117	18683	2.704	ug/l #	90
39) Methylcyclohexane	9.109	83	20446	2.440	ug/l	93
40) Benzene	8.079	78	51589	2.631	ug/l	98

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.231	41	4047m	2.624	ug/l	
42) 1,2-Dichloroethane	8.158	62	12954	2.540	ug/l	100
43) Isopropyl Acetate	8.201	43	11631	2.153	ug/l	98
44) Trichloroethene	8.865	130	15035	2.967	ug/l	93
45) 1,2-Dichloropropane	9.140	63	11843	2.625	ug/l	92
46) Dibromomethane	9.237	93	6814	2.631	ug/l	95
47) Bromodichloromethane	9.426	83	17410	2.613	ug/l	95
48) Methyl methacrylate	9.231	41	4894	1.893	ug/l	92
49) 1,4-Dioxane	9.243	88	1404	46.237	ug/l	94
51) 4-Methyl-2-Pentanone	9.999	43	26398	9.474	ug/l	98
52) Toluene	10.170	92	31724	2.547	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	13657	2.263	ug/l	91
54) cis-1,3-Dichloropropene	9.859	75	16186	2.268	ug/l	95
55) 1,1,2-Trichloroethane	10.572	97	9209	2.657	ug/l #	94
56) Ethyl methacrylate	10.438	69	8483	1.913	ug/l	98
57) 1,3-Dichloropropane	10.719	76	15214	2.589	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.713	63	17046	8.150	ug/l	96
59) 2-Hexanone	10.761	43	17297	9.116	ug/l	100
60) Dibromochloromethane	10.914	129	11952	2.614	ug/l	95
61) 1,2-Dibromoethane	11.017	107	8331	2.558	ug/l	97
64) Tetrachloroethene	10.652	164	17805	3.302	ug/l	98
65) Chlorobenzene	11.444	112	36964	2.838	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.517	131	11629	2.631	ug/l	88
67) Ethyl Benzene	11.517	91	53489	2.386	ug/l	99
68) m/p-Xylenes	11.633	106	40832	4.664	ug/l	95
69) o-Xylene	11.956	106	18616	2.271	ug/l	98
70) Styrene	11.968	104	29226	2.180	ug/l	98
71) Bromoform	12.133	173	7131	2.760	ug/l #	96
73) Isopropylbenzene	12.255	105	47905	2.388	ug/l	98
74) N-amyl acetate	12.072	43	8061	1.895	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	12.511	83	8481	2.476	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	7248m	2.642	ug/l	
77) Bromobenzene	12.529	156	14427	3.014	ug/l	93
78) n-propylbenzene	12.596	91	62387	2.612	ug/l	99
79) 2-Chlorotoluene	12.682	91	36101	2.638	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	38416	2.369	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.310	75	2564m	2.262	ug/l	
82) 4-Chlorotoluene	12.779	91	37009	2.607	ug/l	97
83) tert-Butylbenzene	12.999	119	34450	2.352	ug/l	99
84) 1,2,4-Trimethylbenzene	13.041	105	38320	2.374	ug/l	100
85) sec-Butylbenzene	13.176	105	53116	2.469	ug/l	98
86) p-Isopropyltoluene	13.291	119	41265	2.311	ug/l	98
87) 1,3-Dichlorobenzene	13.291	146	28082	2.975	ug/l	97
88) 1,4-Dichlorobenzene	13.365	146	28502	3.044	ug/l	90
89) n-Butylbenzene	13.621	91	41480	2.529	ug/l	97
90) Hexachloroethane	13.877	117	10811	2.957	ug/l	93
91) 1,2-Dichlorobenzene	13.657	146	23917	2.889	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	1388	2.602	ug/l	90
93) 1,2,4-Trichlorobenzene	14.919	180	14153	2.891	ug/l	95
94) Hexachlorobutadiene	15.023	225	9332	3.244	ug/l	97
95) Naphthalene	15.145	128	20469	2.452	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	13015	3.085	ug/l	98

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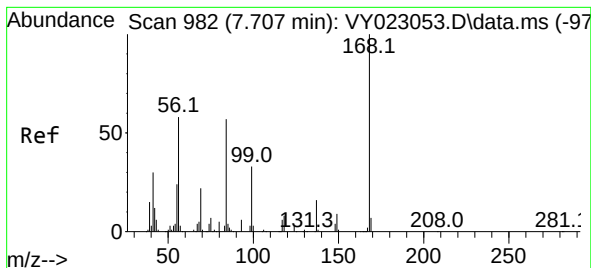
Manual Integrations
APPROVED

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Quant Time: Aug 30 01:29:05 2025
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Quant Title : SW846 8260
QLast Update : Sat Aug 30 01:27:05 2025
Response via : Initial Calibration

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# 9

Delta R.T. 0.006 min

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Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2025

Tgt Ion:168 Resp: 434694

Ion Ratio Lower Upper

168 100

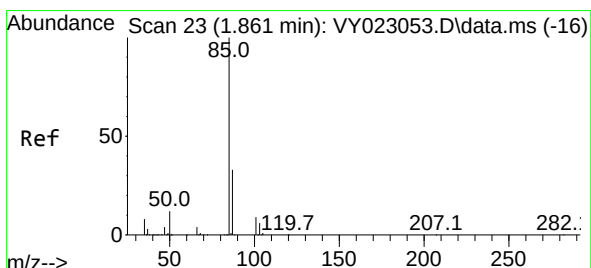
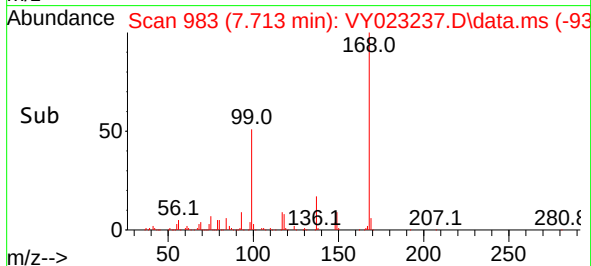
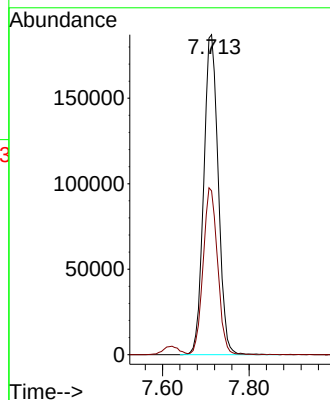
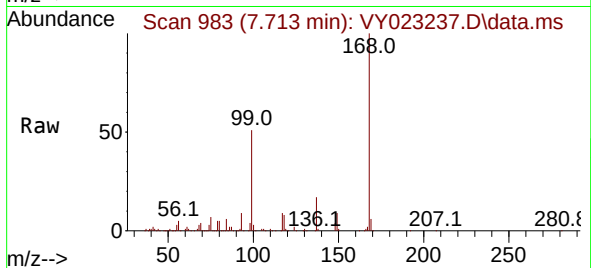
99 51.2 42.8 64.2

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 2.644 ug/l

RT: 1.867 min Scan# 24

Delta R.T. 0.006 min

Lab File: VY023237.D

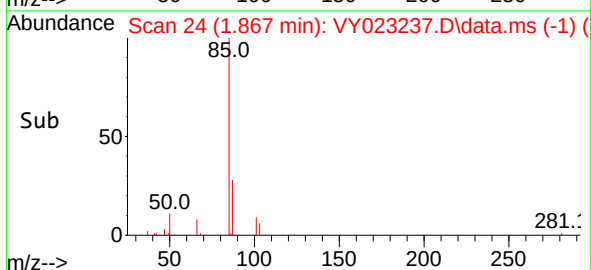
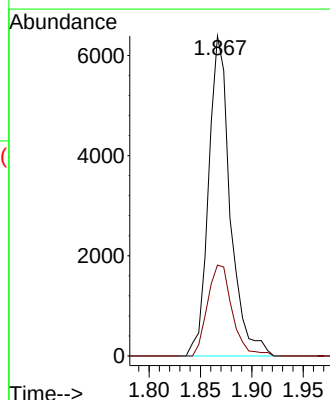
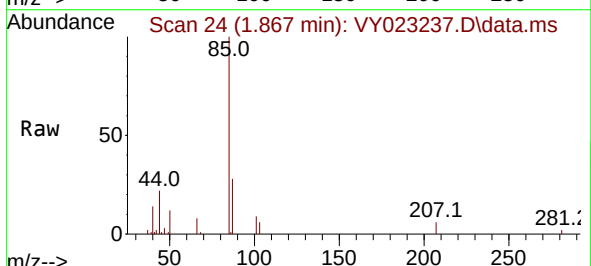
Acq: 29 Aug 2025 11:12

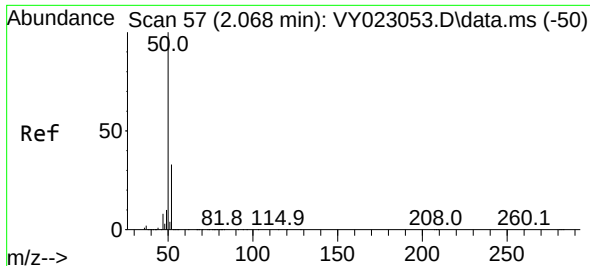
Tgt Ion: 85 Resp: 9382

Ion Ratio Lower Upper

85 100

87 28.4 16.6 49.8





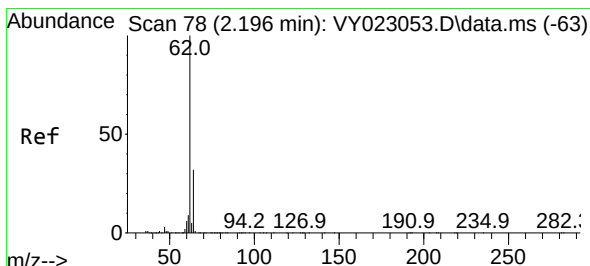
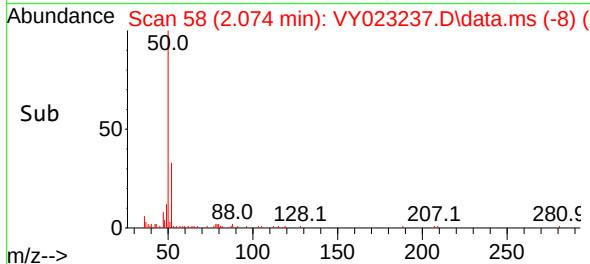
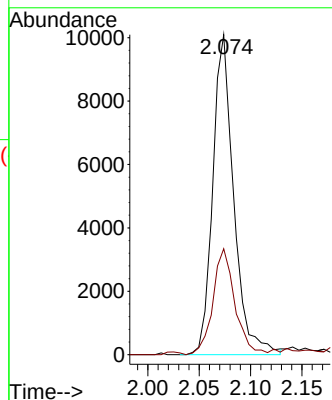
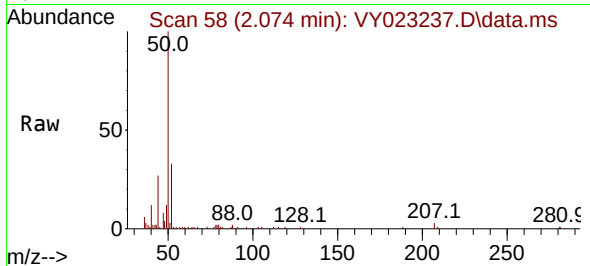
#3
Chloromethane
Concen: 2.493 ug/l
RT: 2.074 min Scan# 50
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025

Tgt Ion: 50 Resp: 1432
Ion Ratio Lower Upper
50 100
52 32.5 26.7 40.1

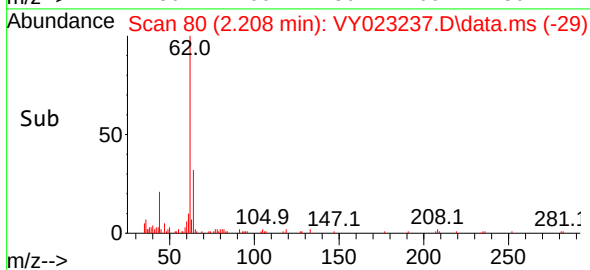
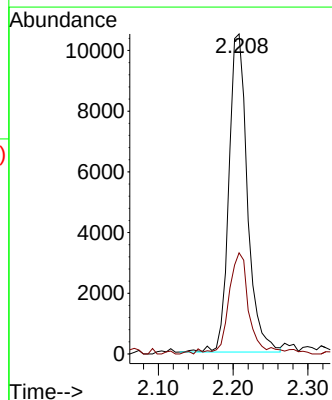
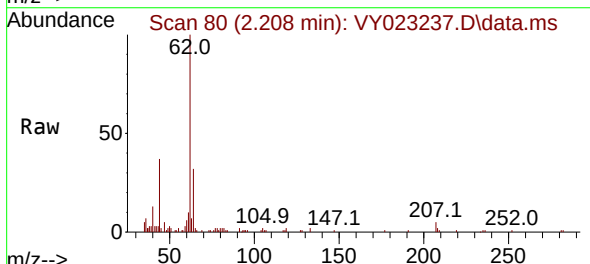
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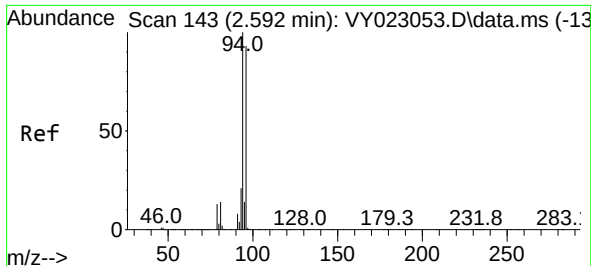
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#4
Vinyl Chloride
Concen: 2.545 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.012 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

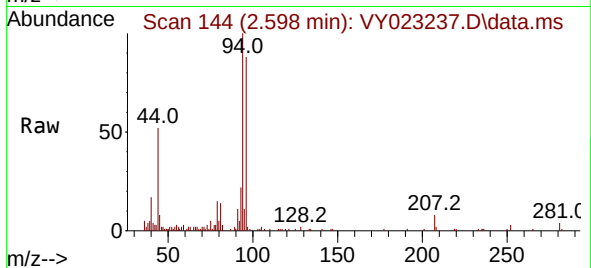
Tgt Ion: 62 Resp: 18079
Ion Ratio Lower Upper
62 100
64 31.8 25.4 38.0





#5
Bromomethane
Concen: 3.382 ug/l
RT: 2.598 min Scan# 144
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

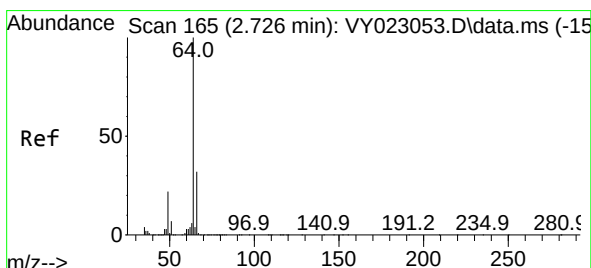
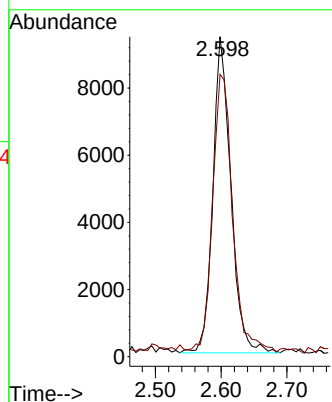
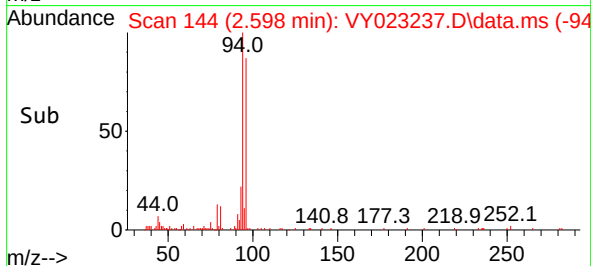
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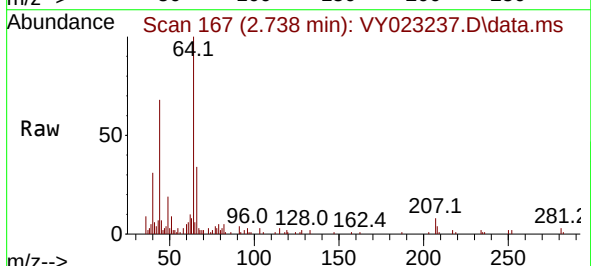
Tgt Ion: 94 Resp: 17944
Ion Ratio Lower Upper
94 100
96 86.9 74.6 112.0

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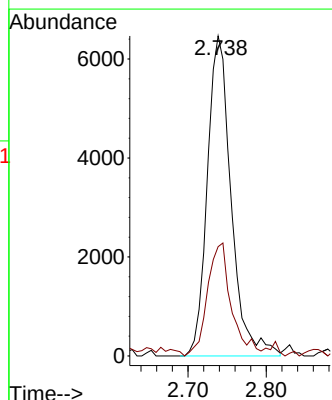
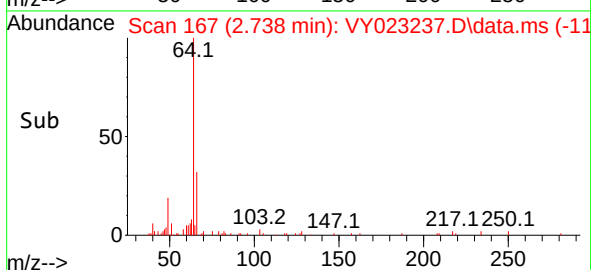
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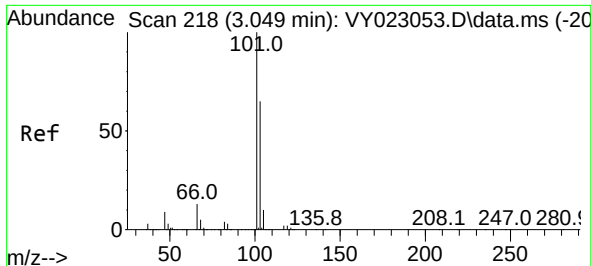


#6
Chloroethane
Concen: 2.893 ug/l
RT: 2.738 min Scan# 167
Delta R.T. 0.012 min
Lab File: VY023237.D
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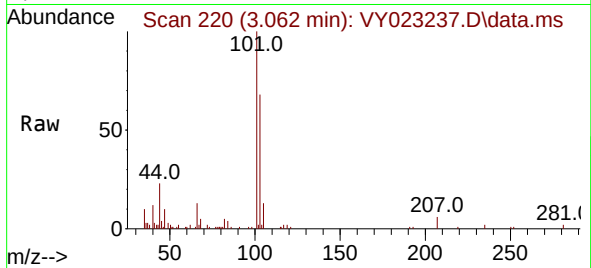
Tgt Ion: 64 Resp: 13662
Ion Ratio Lower Upper
64 100
66 33.0 25.8 38.6





#7
 Trichlorofluoromethane
 Concen: 2.645 ug/l
 RT: 3.062 min Scan# 218
 Delta R.T. 0.012 min
 Lab File: VY023237.D
 Acq: 29 Aug 2025 11:12

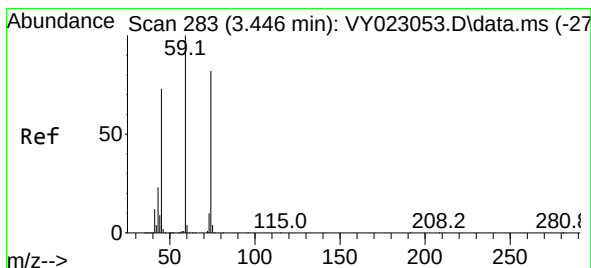
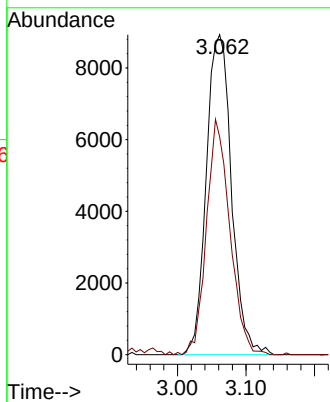
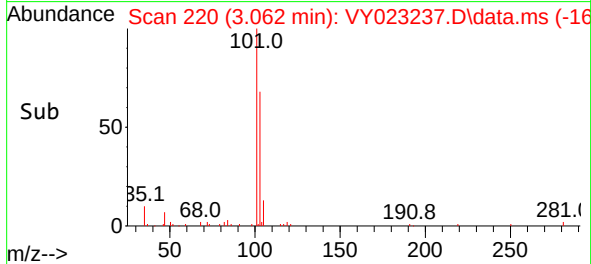
Instrument :
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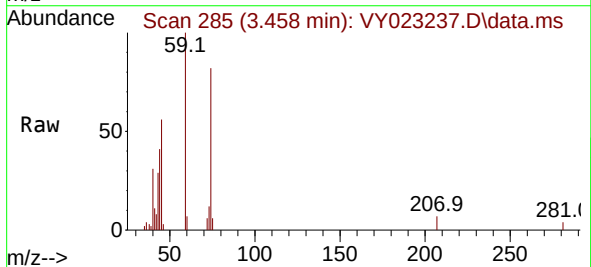
Tgt Ion:101 Resp: 2284
 Ion Ratio Lower Upper
 101 100
 103 68.1 51.9 77.9

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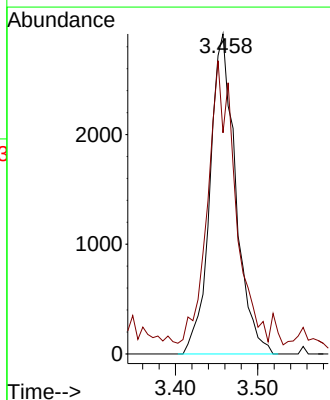
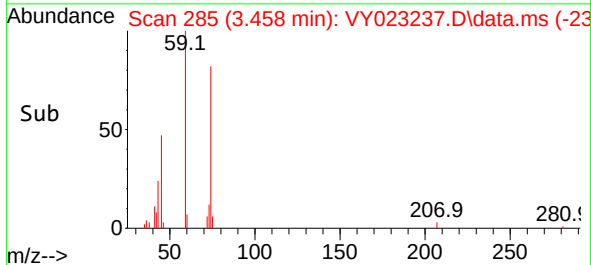
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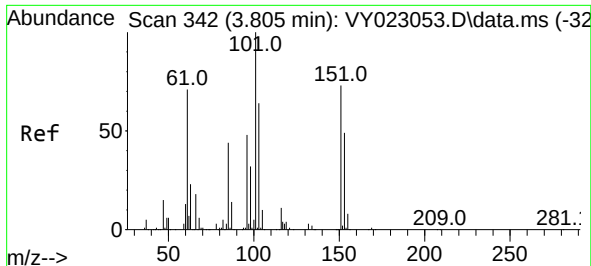


#8
 Diethyl Ether
 Concen: 2.779 ug/l
 RT: 3.458 min Scan# 285
 Delta R.T. 0.012 min
 Lab File: VY023237.D
 Acq: 29 Aug 2025 11:12



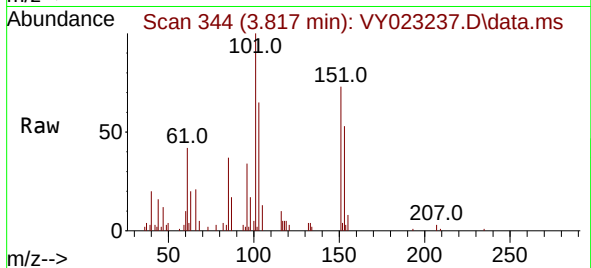
Tgt Ion: 74 Resp: 6351
 Ion Ratio Lower Upper
 74 100
 45 93.7 44.4 133.2





#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.976 ug/l
RT: 3.817 min Scan# 342
Delta R.T. 0.012 min
Lab File: VY023237.D
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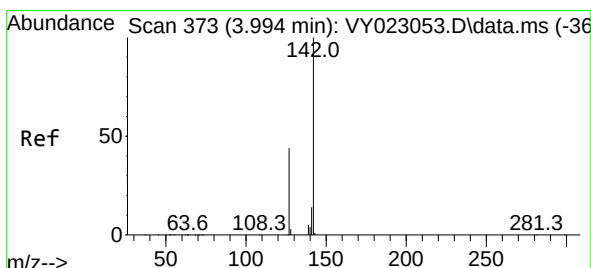
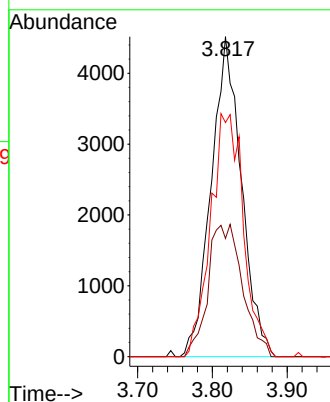
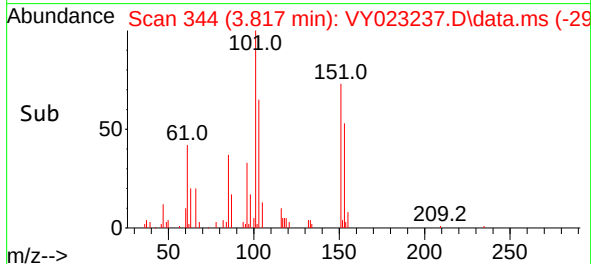
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:101 Resp: 1268
Ion Ratio Lower Upper
101 100
85 47.3 36.3 54.5
151 82.6 61.5 92.3

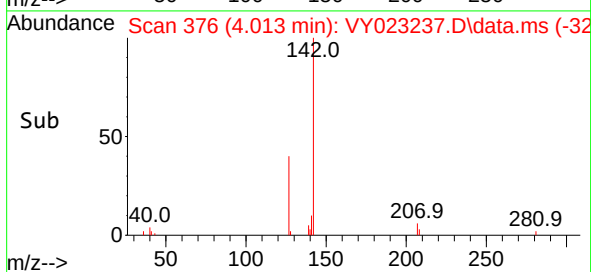
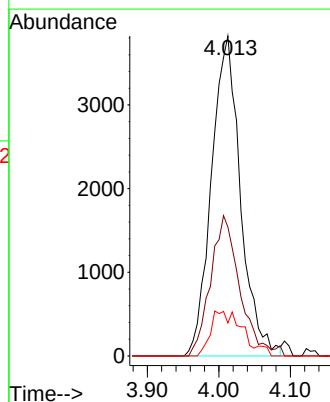
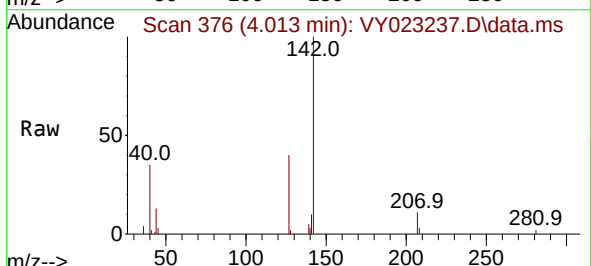
Manual Integrations
APPROVED

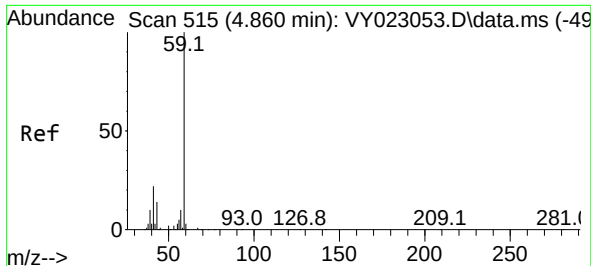
Reviewed By :Semsettin Yesilyurt 09/03/2025
Supervised By :Mahesh Dadoda 09/03/2025



#10
Methyl Iodide
Concen: 2.345 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.018 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

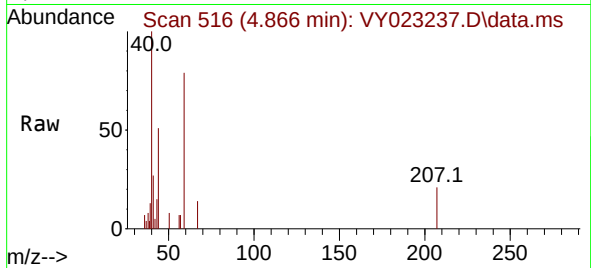
Tgt Ion:142 Resp: 10786
Ion Ratio Lower Upper
142 100
127 44.4 34.9 52.3
141 14.4 11.3 16.9





#11
Tert butyl alcohol
Concen: 12.368 ug/l
RT: 4.866 min Scan# 515
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

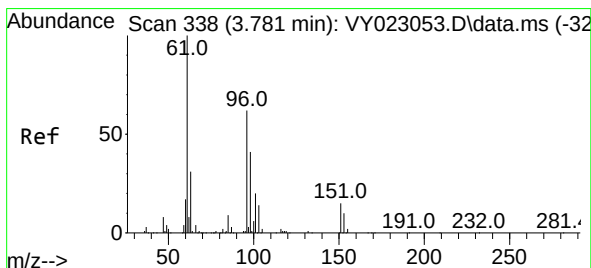
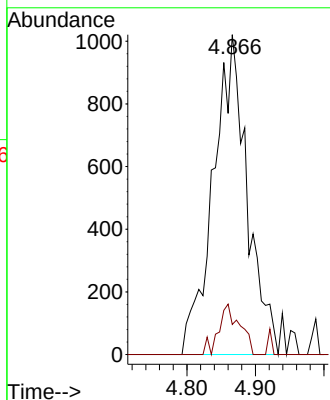
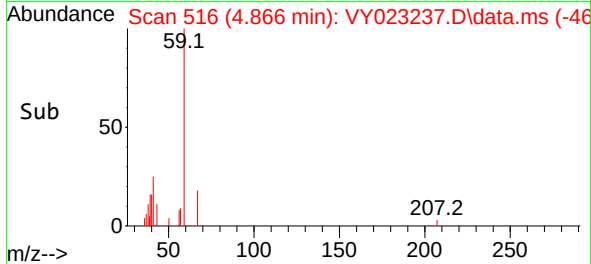
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025



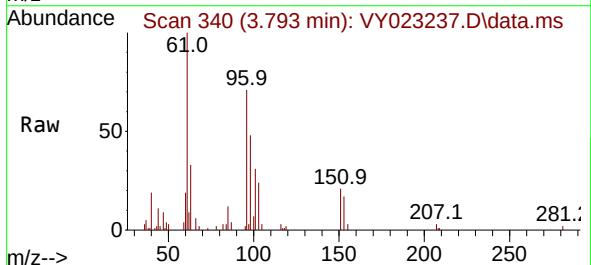
Tgt Ion: 59 Resp: 351
Ion Ratio Lower Upper
59 100
57 9.8 8.6 13.0

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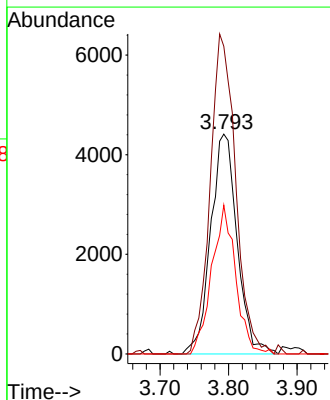
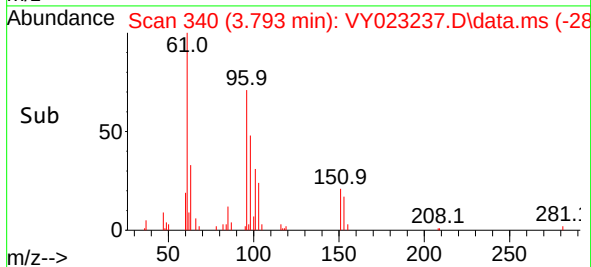
Reviewed By :Semsettin Yesilyurt 09/03/2025
Supervised By :Mahesh Dadoda 09/03/2025

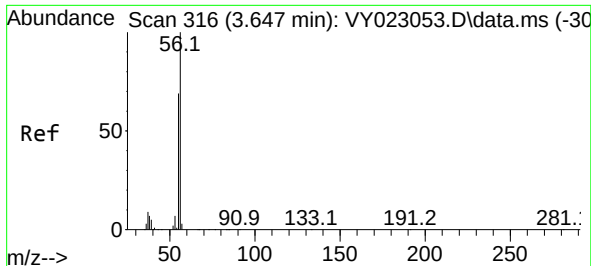


#12
1,1-Dichloroethene
Concen: 2.822 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.012 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12



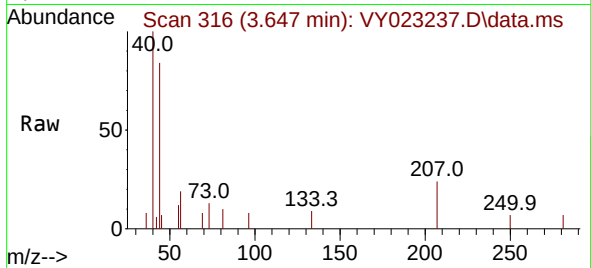
Tgt Ion: 96 Resp: 11823
Ion Ratio Lower Upper
96 100
61 139.9 129.4 194.2
98 67.7 52.8 79.2





#13
Acrolein
Concen: 0.938 ug/l m
RT: 3.647 min Scan# 316
Delta R.T. -0.000 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

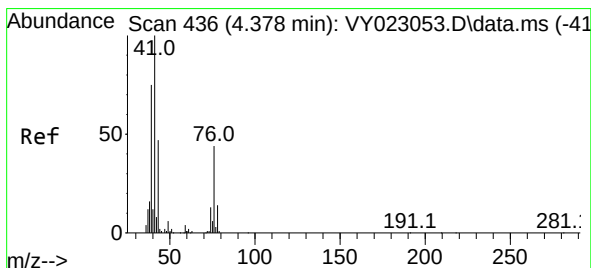
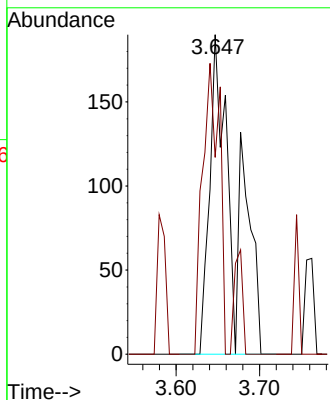
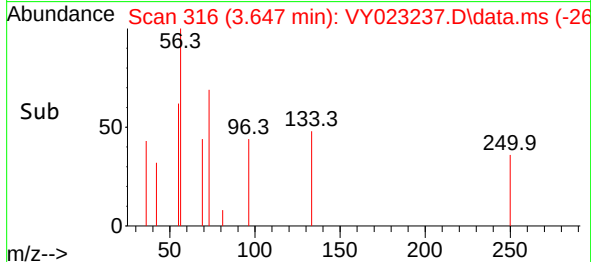
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025



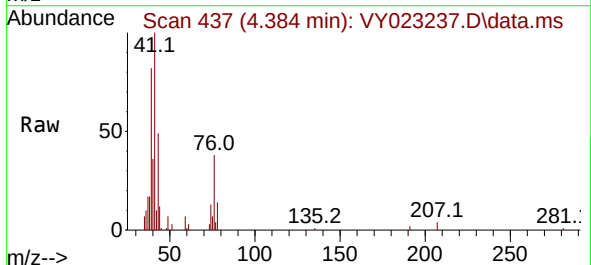
Tgt Ion: 56 Resp: 390
Ion Ratio Lower Upper
56 100
55 62.6 55.2 82.8

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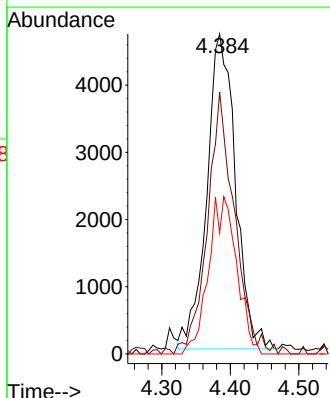
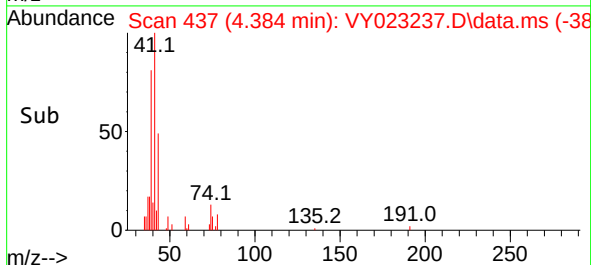
Reviewed By :Semsettin Yesilyurt 09/03/2025
Supervised By :Mahesh Dadoda 09/03/2025

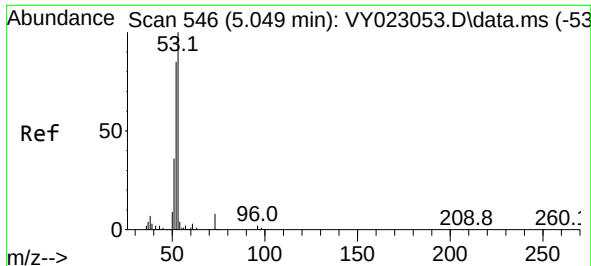


#14
Allyl chloride
Concen: 2.217 ug/l
RT: 4.384 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12



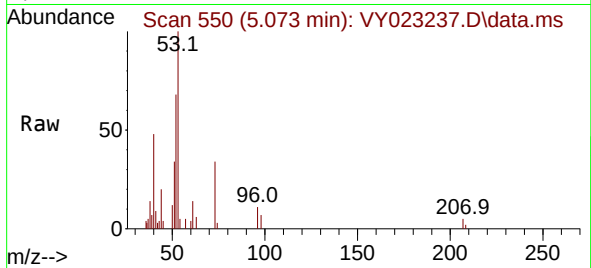
Tgt Ion: 41 Resp: 13667
Ion Ratio Lower Upper
41 100
39 78.2 59.8 89.6
76 49.1 33.7 50.5





#15
Acrylonitrile
Concen: 11.980 ug/l
RT: 5.073 min Scan# 511
Delta R.T. 0.024 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

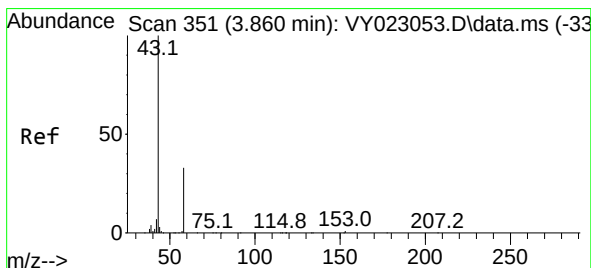
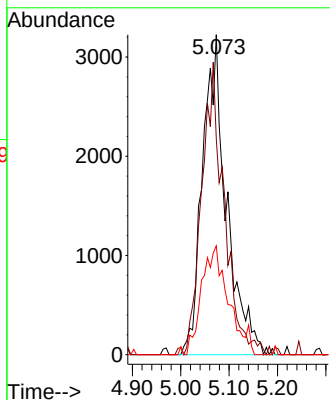
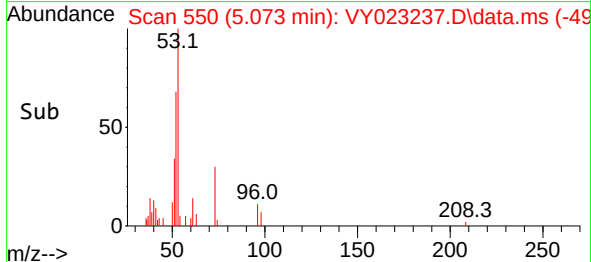
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion: 53 Resp: 1113
Ion Ratio Lower Upper
53 100
52 85.6 65.3 97.9
51 38.3 29.5 44.3

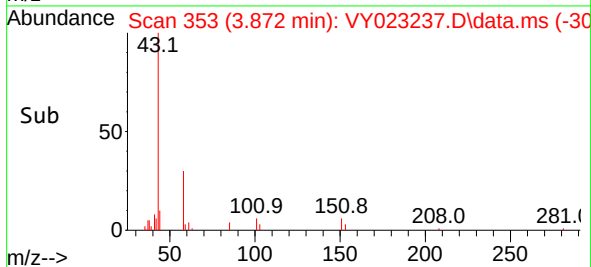
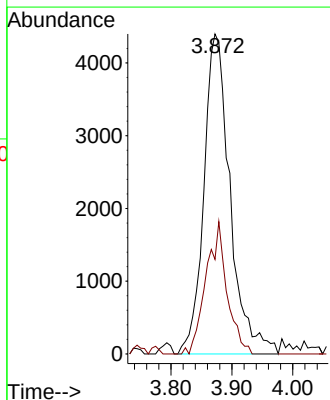
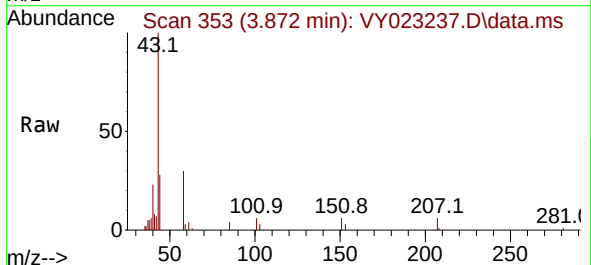
Manual Integrations
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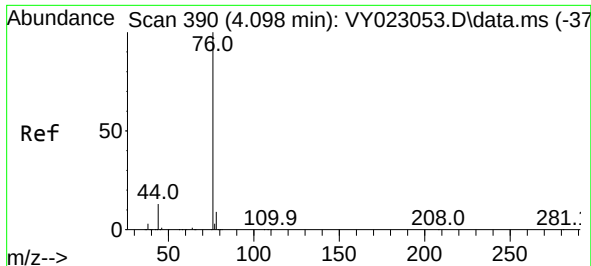
Reviewed By :Semsettin Yesilyurt 09/03/2025
Supervised By :Mahesh Dadoda 09/03/2025



#16
Acetone
Concen: 14.658 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.012 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

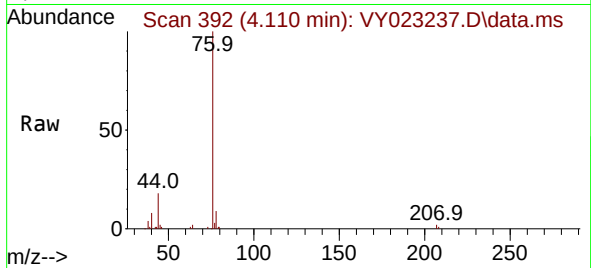
Tgt Ion: 43 Resp: 13156
Ion Ratio Lower Upper
43 100
58 29.6 27.1 40.7





#17
Carbon Disulfide
Concen: 2.368 ug/l
RT: 4.110 min Scan# 391
Delta R.T. 0.012 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

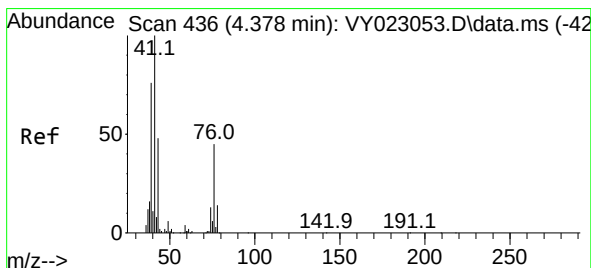
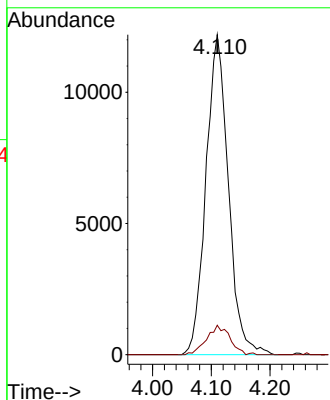
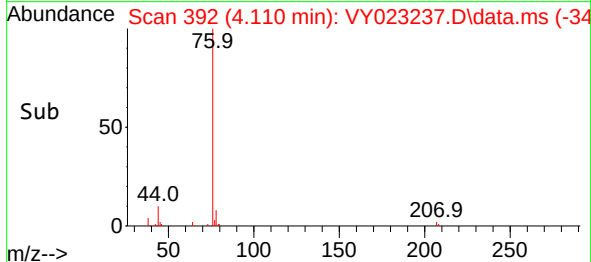
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion: 76 Resp: 32339
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.2

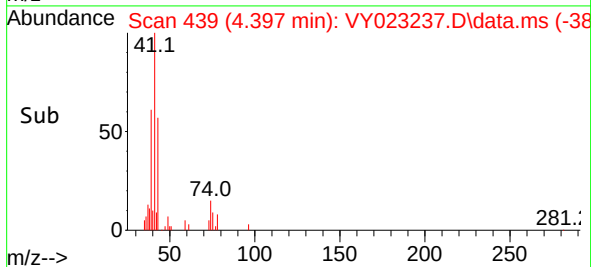
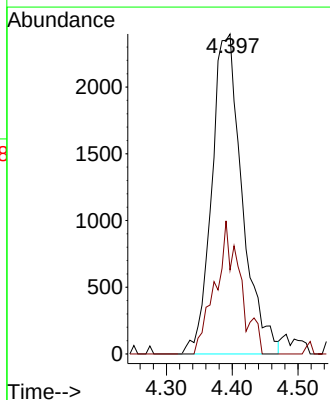
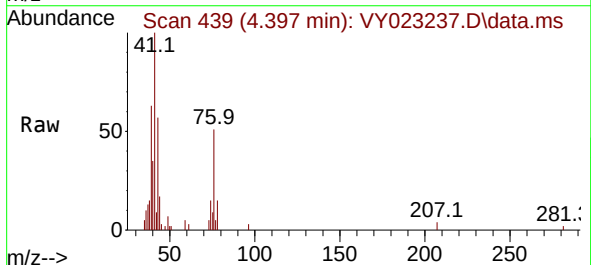
Manual Integrations
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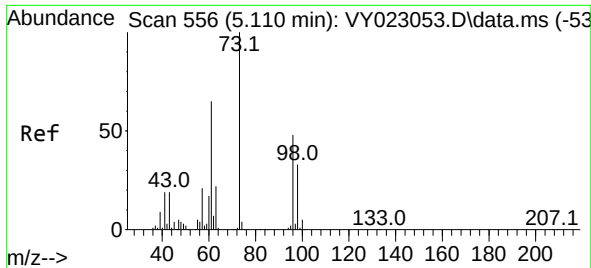
Reviewed By :Semsettin Yesilyurt 09/03/2025
Supervised By :Mahesh Dadoda 09/03/2025



#18
Methyl Acetate
Concen: 2.892 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.018 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

Tgt Ion: 43 Resp: 7725
Ion Ratio Lower Upper
43 100
74 34.1 21.2 31.8#





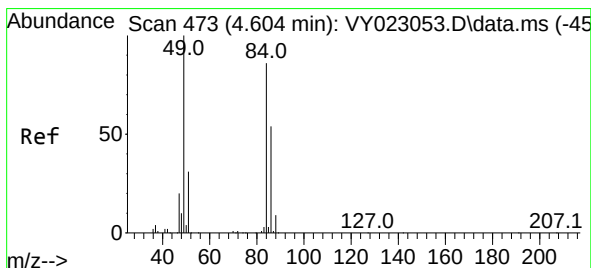
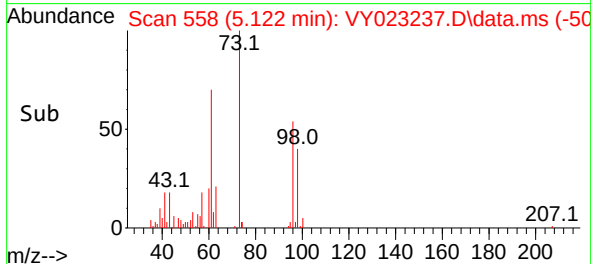
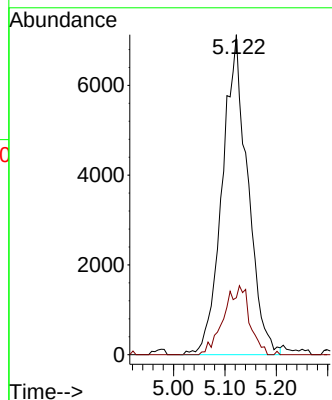
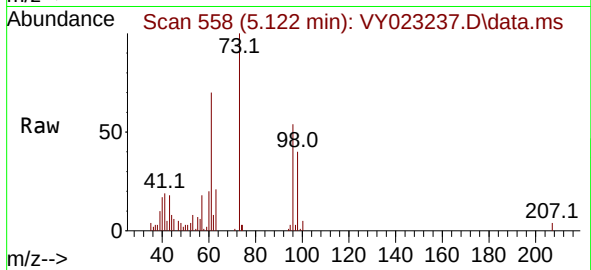
#19
Methyl tert-butyl Ether
Concen: 2.267 ug/l
RT: 5.122 min Scan# 51
Delta R.T. 0.012 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025

Tgt Ion: 73 Resp: 2461
Ion Ratio Lower Upper
73 100
57 17.8 17.1 25.7

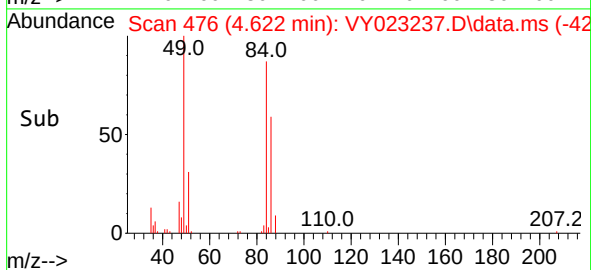
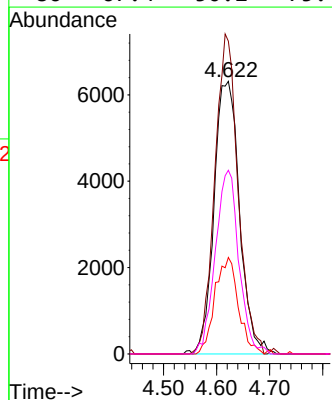
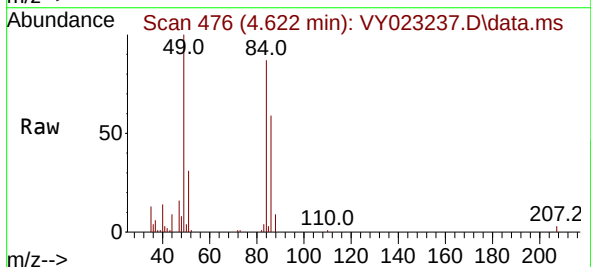
Manual Integrations
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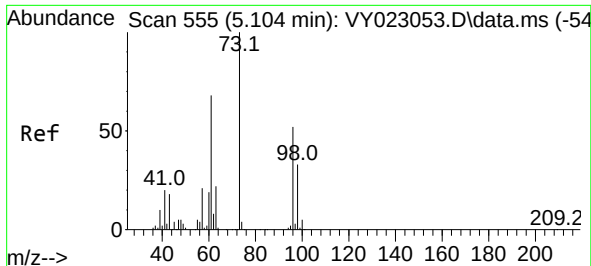
Reviewed By :Semsettin Yesilyurt 09/03/2025
Supervised By :Mahesh Dadoda 09/03/2025



#20
Methylene Chloride
Concen: 3.914 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.018 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

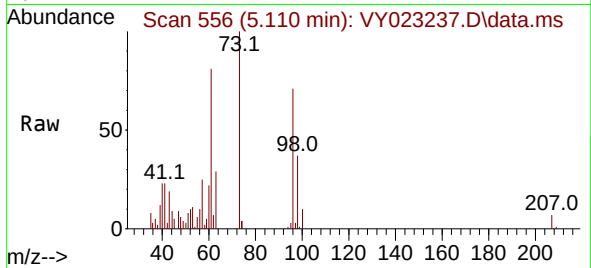
Tgt Ion: 84 Resp: 21089
Ion Ratio Lower Upper
84 100
49 114.7 93.0 139.6
51 35.4 29.0 43.4
86 67.4 50.2 75.4





#21
trans-1,2-Dichloroethene
Concen: 2.720 ug/l
RT: 5.110 min Scan# 5110
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

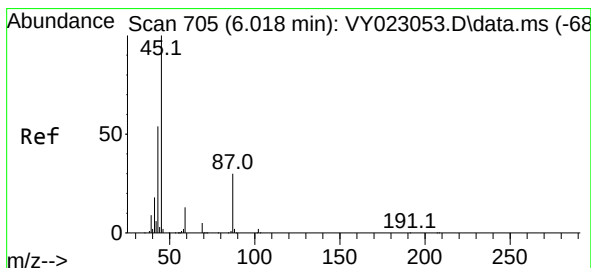
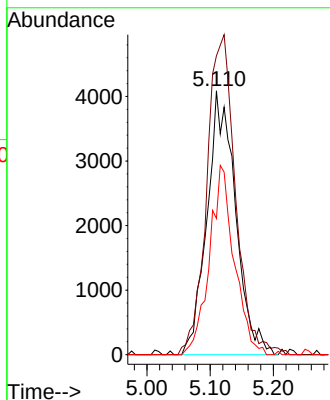
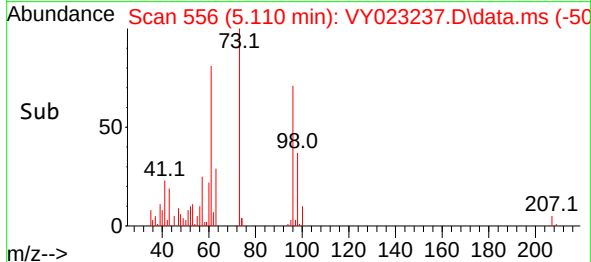
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion: 96 Resp: 12804
Ion Ratio Lower Upper
96 100
61 113.3 104.8 157.2
98 51.6 50.1 75.1

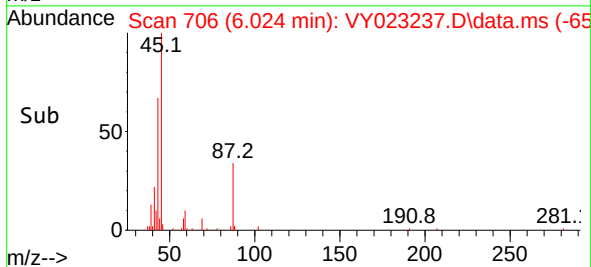
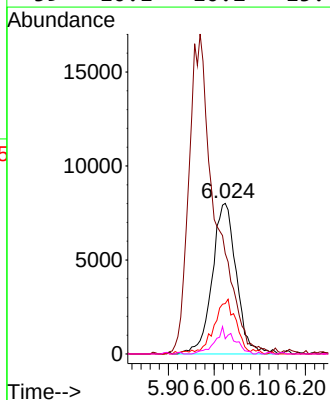
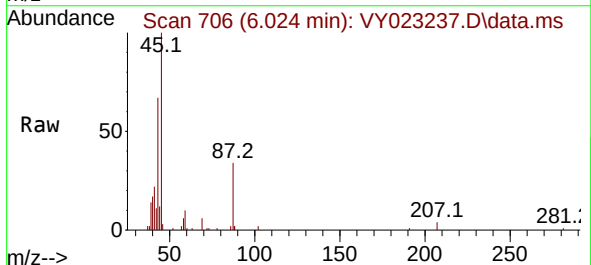
Manual Integrations
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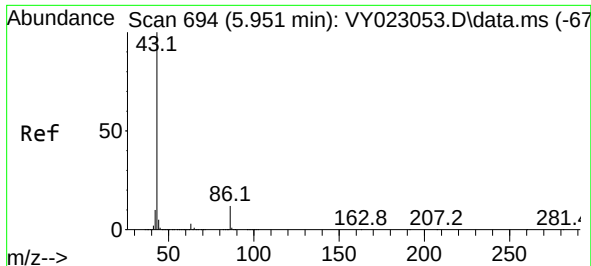
Reviewed By :Semsettin Yesilyurt 09/03/2025
Supervised By :Mahesh Dadoda 09/03/2025



#22
Diisopropyl ether
Concen: 2.195 ug/l
RT: 6.024 min Scan# 706
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

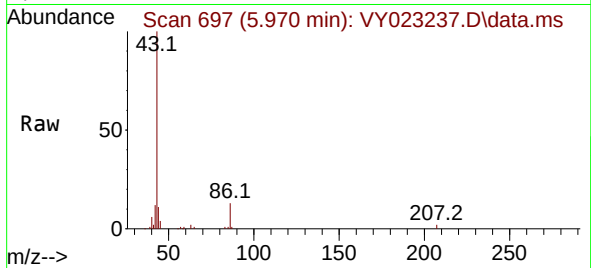
Tgt Ion: 45 Resp: 29406
Ion Ratio Lower Upper
45 100
43 65.2 43.4 65.0#
87 33.5 24.4 36.6
59 10.1 10.2 15.4#





#23
 Vinyl Acetate
 Concen: 9.294 ug/l
 RT: 5.970 min Scan# 694
 Delta R.T. 0.018 min
 Lab File: VY023237.D
 Acq: 29 Aug 2025 11:12

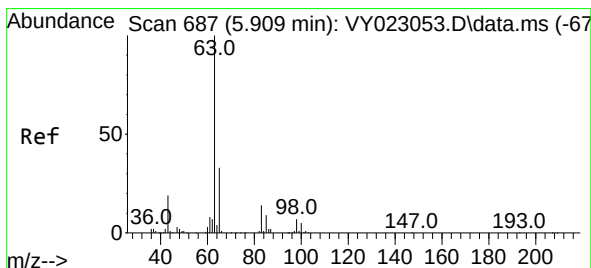
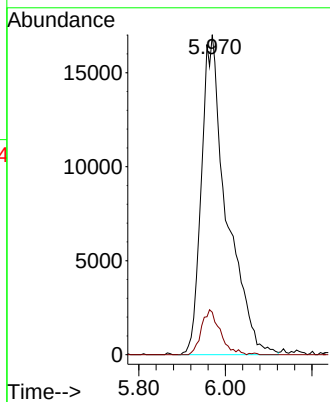
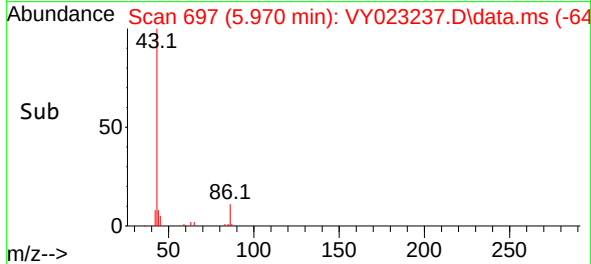
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT3-2025



Tgt Ion: 43 Resp: 68830
 Ion Ratio Lower Upper
 43 100
 86 13.3 9.6 14.4

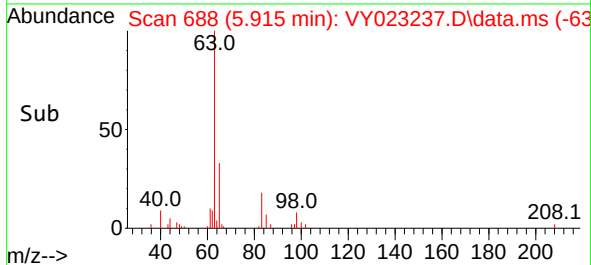
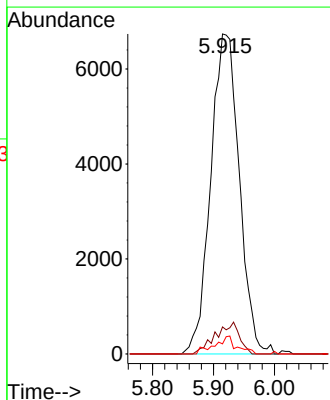
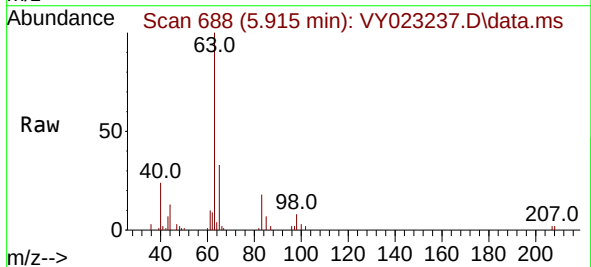
Manual Integrations
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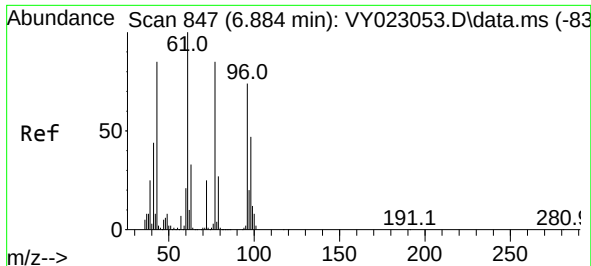
Reviewed By :Semsettin Yesilyurt 09/03/2025
 Supervised By :Mahesh Dadoda 09/03/2025



#24
 1,1-Dichloroethane
 Concen: 2.680 ug/l
 RT: 5.915 min Scan# 688
 Delta R.T. 0.006 min
 Lab File: VY023237.D
 Acq: 29 Aug 2025 11:12

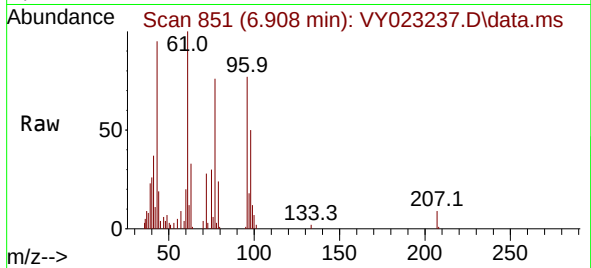
Tgt Ion: 63 Resp: 21948
 Ion Ratio Lower Upper
 63 100
 98 8.5 3.5 10.6
 100 3.1 2.4 7.1





#25
2-Butanone
Concen: 11.520 ug/l
RT: 6.908 min Scan# 848
Delta R.T. 0.024 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

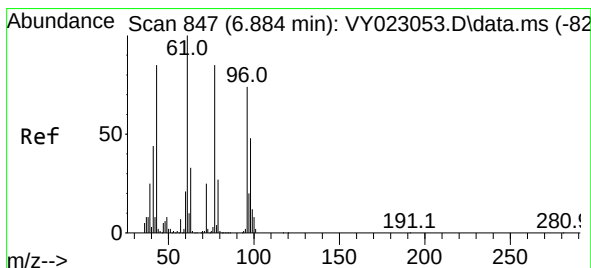
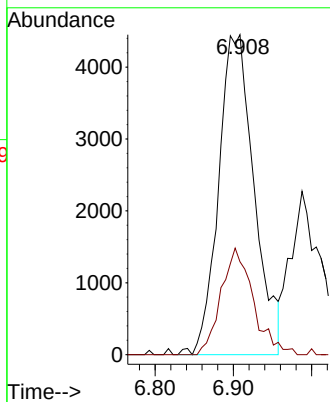
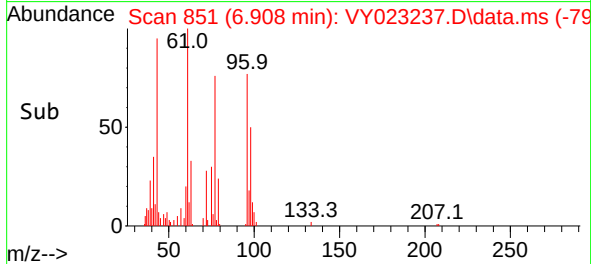
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025



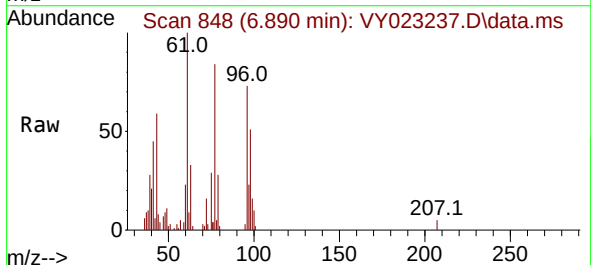
Tgt Ion: 43 Resp: 14062
Ion Ratio Lower Upper
43 100
72 29.0 23.5 35.3

Manual Integrations
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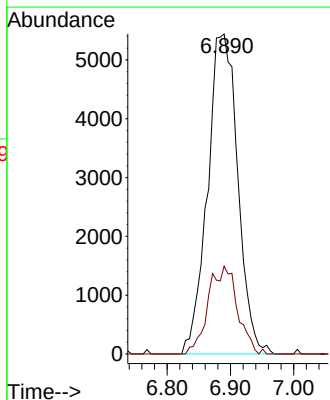
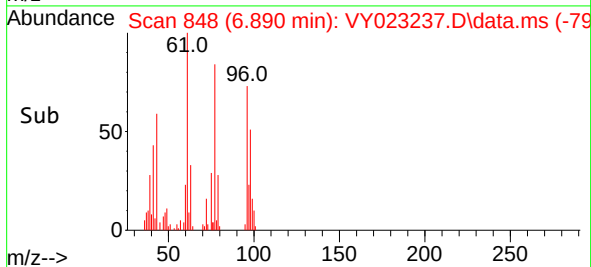
Reviewed By :Semsettin Yesilyurt 09/03/2025
Supervised By :Mahesh Dadoda 09/03/2025

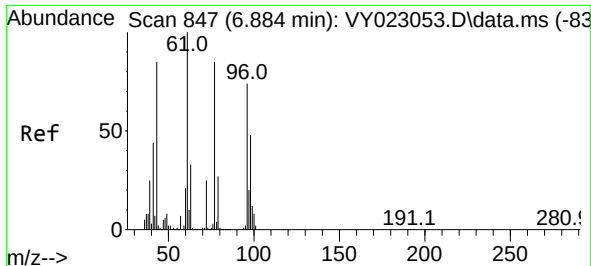


#26
2,2-Dichloropropane
Concen: 2.555 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12



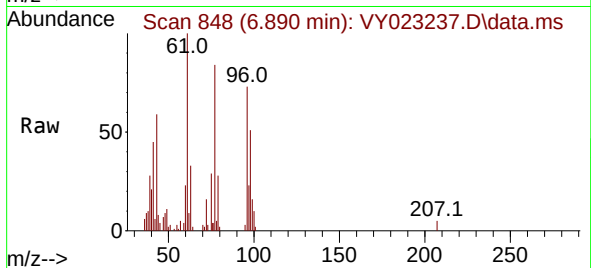
Tgt Ion: 77 Resp: 18055
Ion Ratio Lower Upper
77 100
97 26.4 11.6 34.8





#27
 cis-1,2-Dichloroethene
 Concen: 2.546 ug/l
 RT: 6.890 min Scan# 847
 Delta R.T. 0.006 min
 Lab File: VY023237.D
 Acq: 29 Aug 2025 11:12

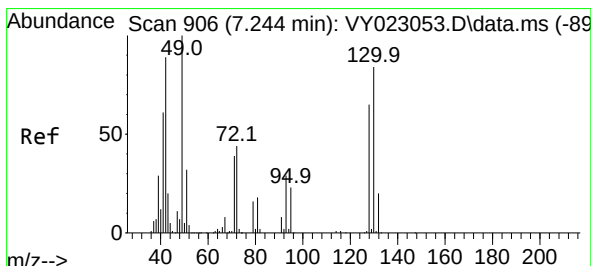
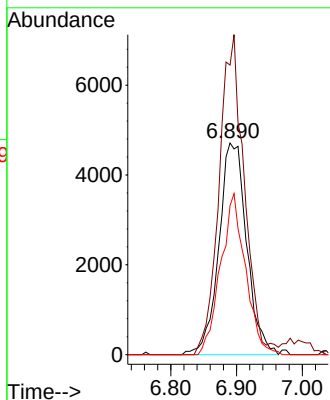
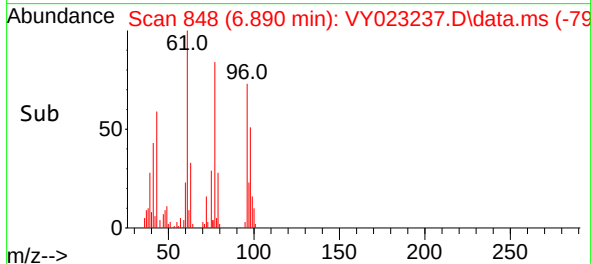
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT3-2025



Tgt Ion: 96 Resp: 13854
 Ion Ratio Lower Upper
 96 100
 61 137.2 0.0 278.6
 98 68.1 0.0 130.4

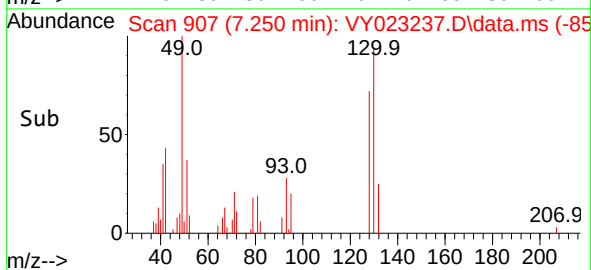
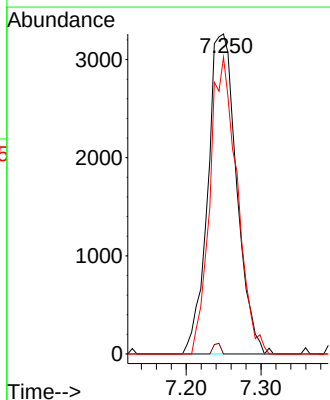
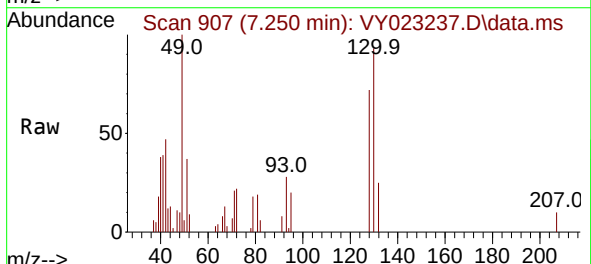
Manual Integrations
 APPROVED

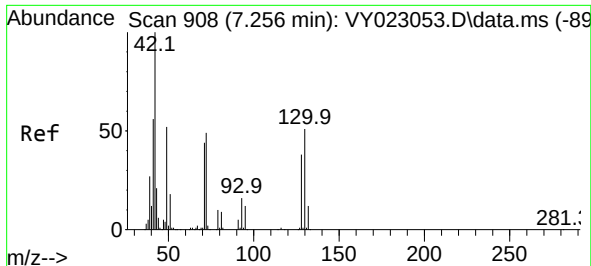
Reviewed By :Semsettin Yesilyurt 09/03/2025
 Supervised By :Mahesh Dadoda 09/03/2025



#28
 Bromochloromethane
 Concen: 2.702 ug/l
 RT: 7.250 min Scan# 907
 Delta R.T. 0.006 min
 Lab File: VY023237.D
 Acq: 29 Aug 2025 11:12

Tgt Ion: 49 Resp: 8777
 Ion Ratio Lower Upper
 49 100
 129 0.9 0.0 4.2
 130 87.2 66.4 99.6





#29

Tetrahydrofuran

Concen: 10.420 ug/l

RT: 7.268 min Scan# 910

Delta R.T. 0.012 min

Lab File: VY023237.D

Acq: 29 Aug 2025 11:12

Instrument :

MSVOA_Y

ClientSampleId :

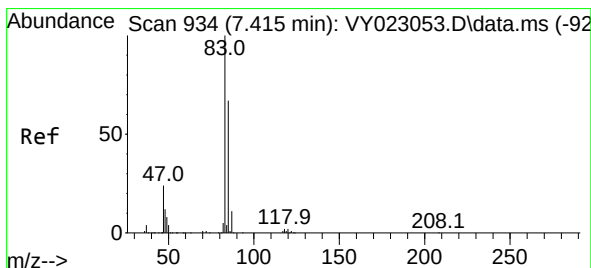
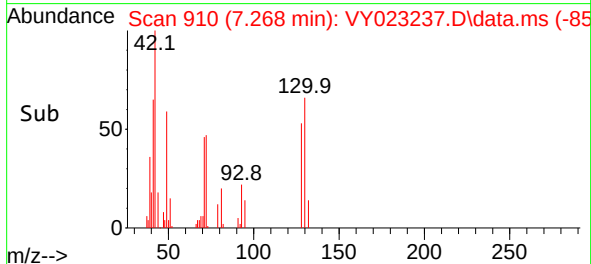
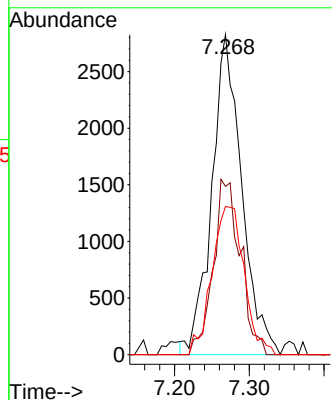
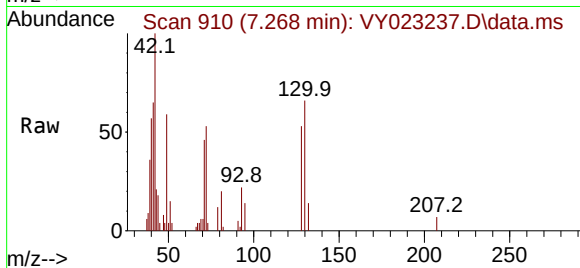
MDL-SOIL-03-QT3-2025

Tgt Ion:	42	Resp:	7884
Ion	Ratio	Lower	Upper
42	100		
72	49.8	39.4	59.2
71	49.8	36.5	54.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/03/2025
Supervised By :Mahesh Dadoda 09/03/2025



#30

Chloroform

Concen: 2.800 ug/l

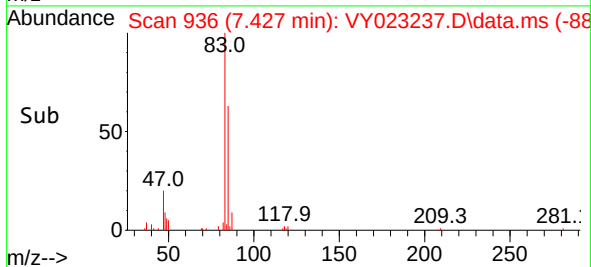
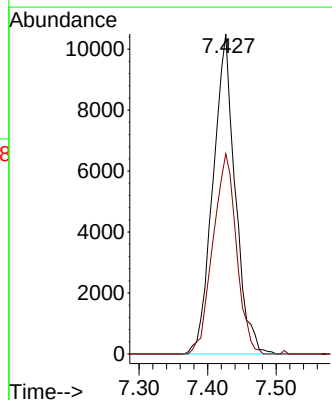
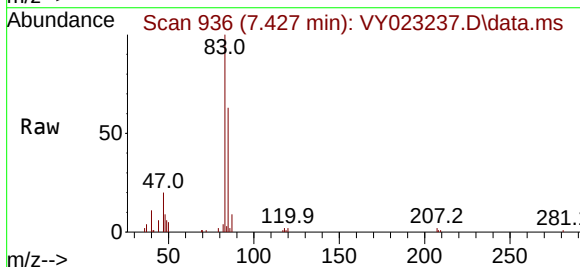
RT: 7.427 min Scan# 936

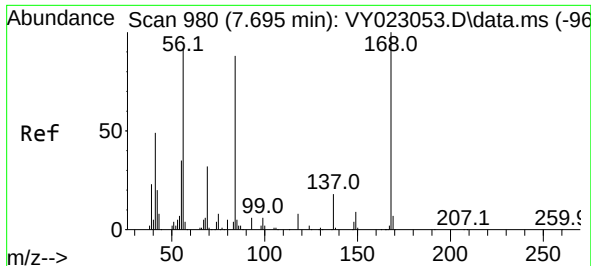
Delta R.T. 0.012 min

Lab File: VY023237.D

Acq: 29 Aug 2025 11:12

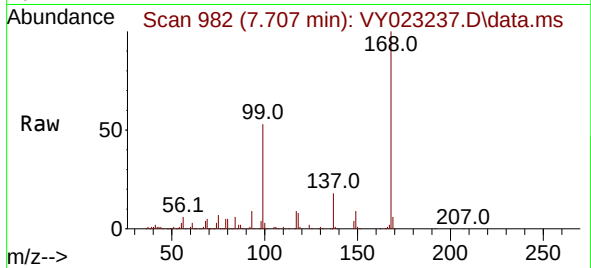
Tgt Ion:	83	Resp:	23650
Ion	Ratio	Lower	Upper
83	100		
85	62.5	53.8	80.8





#31
Cyclohexane
Concen: 3.152 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.012 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

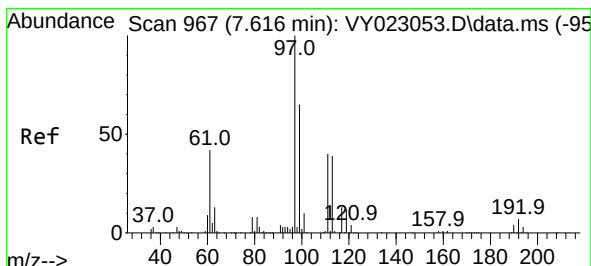
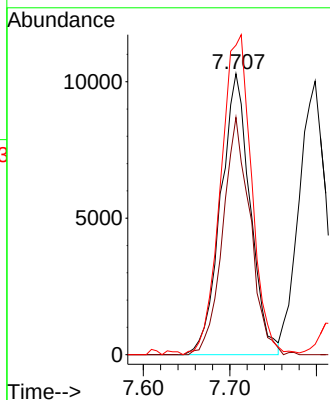
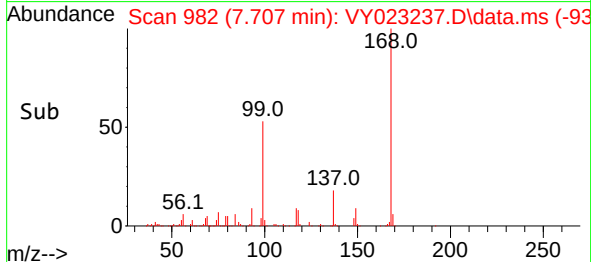
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025



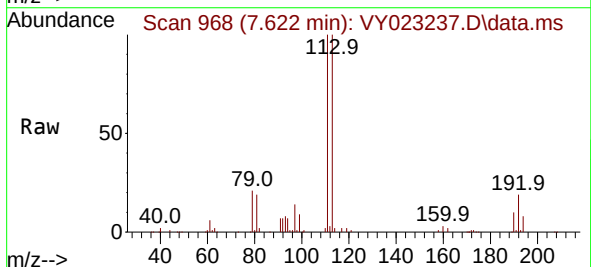
Tgt Ion: 56 Resp: 2432
Ion Ratio Lower Upper
56 100
69 84.5 28.2 42.2
84 109.1 76.6 114.8

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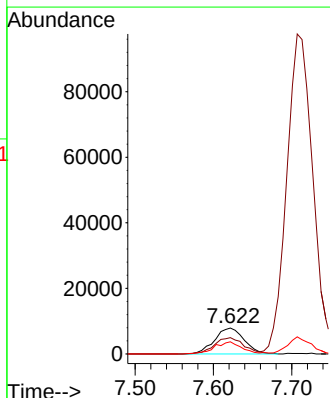
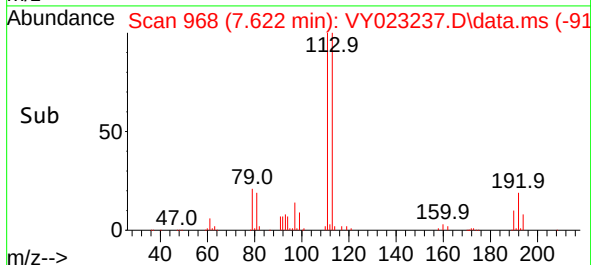
Reviewed By :Semsettin Yesilyurt 09/03/2025
Supervised By :Mahesh Dadoda 09/03/2025

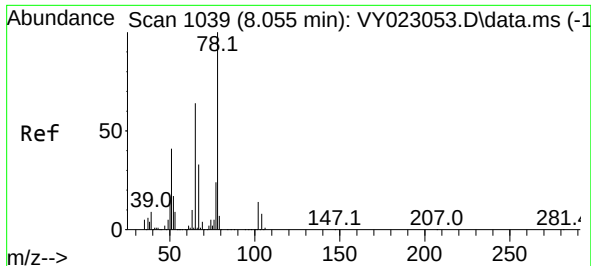


#32
1,1,1-Trichloroethane
Concen: 2.764 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12



Tgt Ion: 97 Resp: 20710
Ion Ratio Lower Upper
97 100
99 62.4 51.6 77.4
61 43.6 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 49.431 ug/l

RT: 8.061 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VY023237.D

Acq: 29 Aug 2025 11:12

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2025

Tgt Ion: 65 Resp: 204788

Ion Ratio Lower Upper

65 100

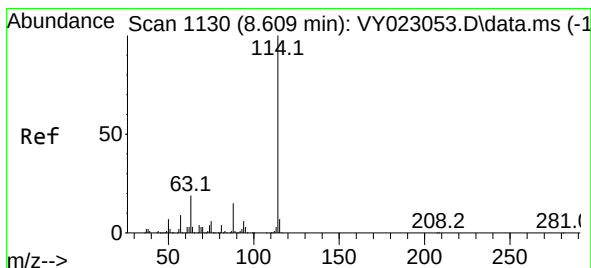
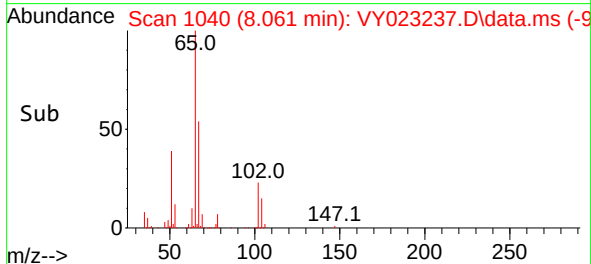
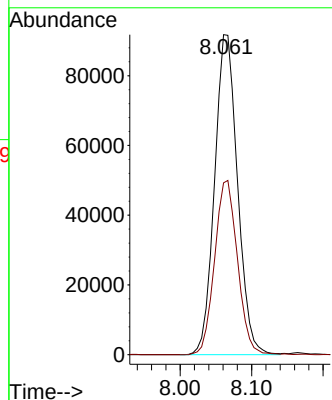
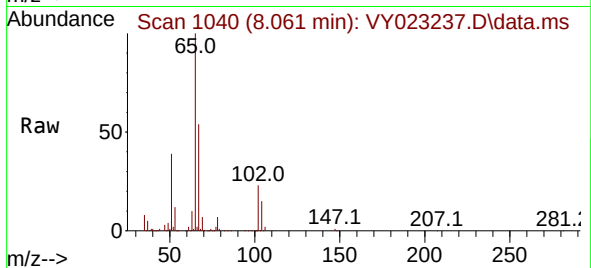
67 54.2 0.0 106.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/03/2025

Supervised By :Mahesh Dadoda 09/03/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023237.D

Acq: 29 Aug 2025 11:12

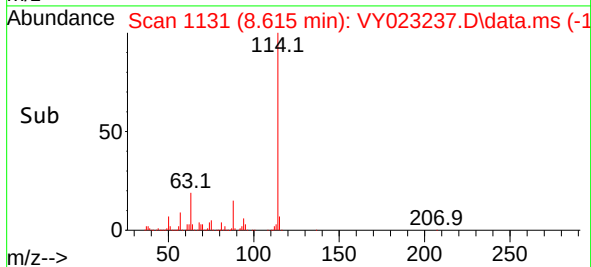
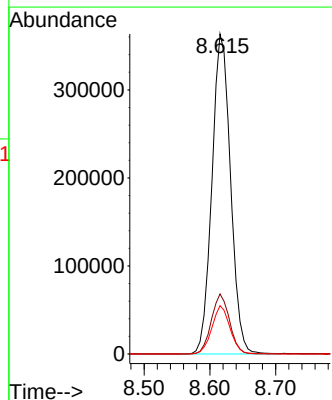
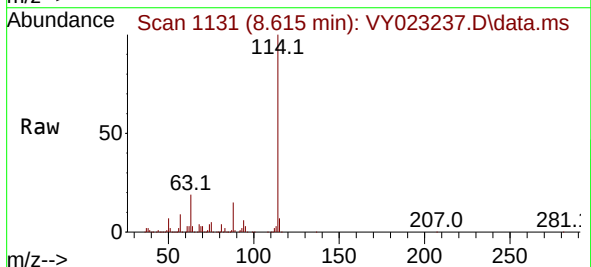
Tgt Ion:114 Resp: 715461

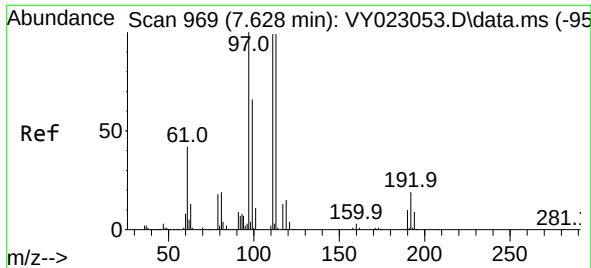
Ion Ratio Lower Upper

114 100

63 18.7 0.0 38.4

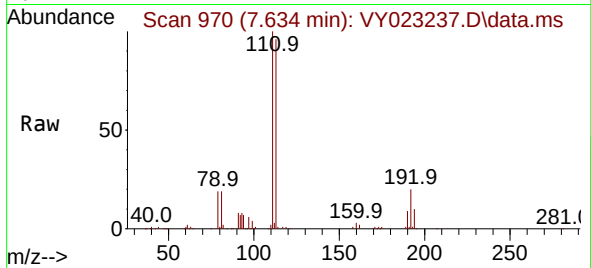
88 15.1 0.0 30.0





#35
Dibromofluoromethane
Concen: 50.406 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

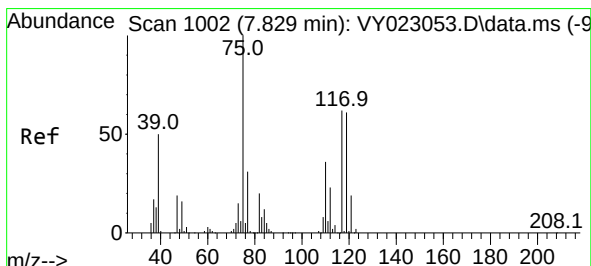
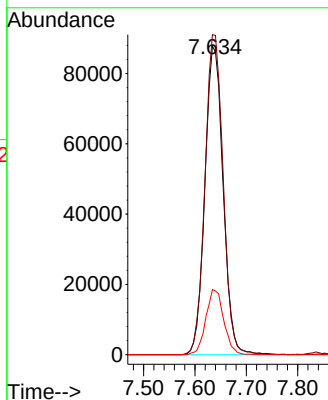
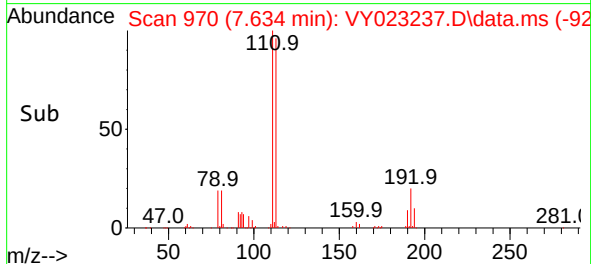
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion: 113 Resp: 215794
Ion Ratio Lower Upper
113 100
111 103.6 81.1 121.7
192 20.8 16.2 24.4

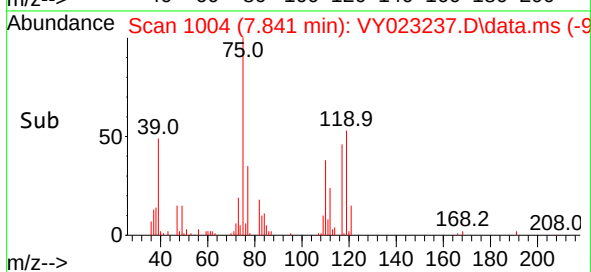
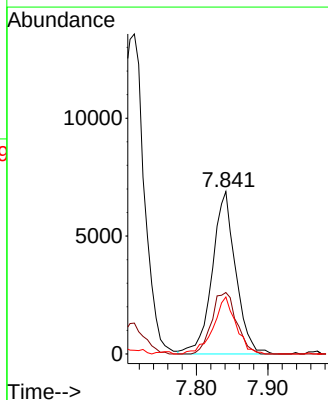
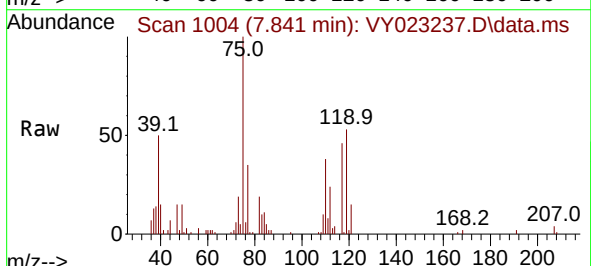
Manual Integrations
APPROVED

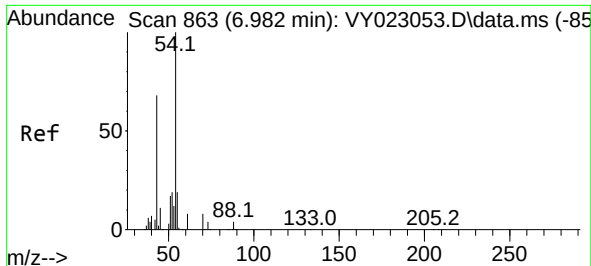
Reviewed By :Semsettin Yesilyurt 09/03/2025
Supervised By :Mahesh Dadoda 09/03/2025



#36
1,1-Dichloropropene
Concen: 2.464 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.012 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

Tgt Ion: 75 Resp: 15674
Ion Ratio Lower Upper
75 100
110 40.2 18.1 54.4
77 33.9 24.6 37.0





#37

Ethyl Acetate

Concen: 2.417 ug/l

RT: 6.988 min Scan# 80

Delta R.T. 0.006 min

Lab File: VY023237.D

Acq: 29 Aug 2025 11:12

Instrument :

MSVOA_Y

ClientSampleId :

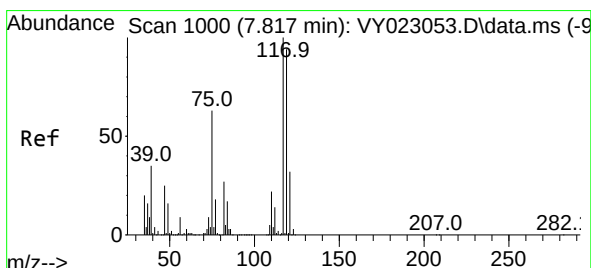
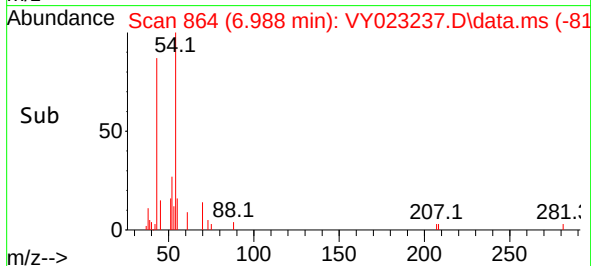
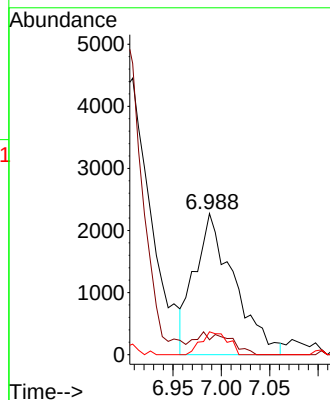
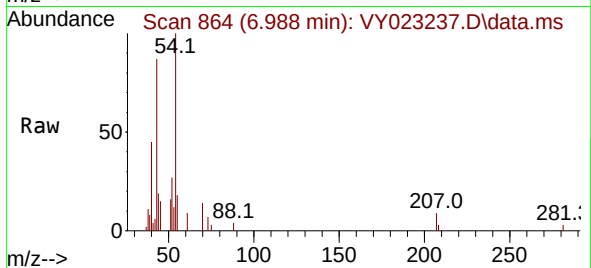
MDL-SOIL-03-QT3-2025

Tgt Ion:	43	Resp:	645
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.9	17.9
70	10.9	8.8	13.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/03/2025
Supervised By :Mahesh Dadoda 09/03/2025



#38

Carbon Tetrachloride

Concen: 2.704 ug/l

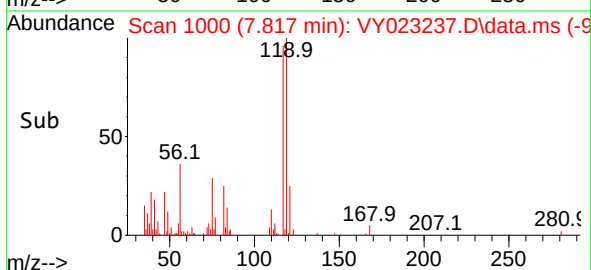
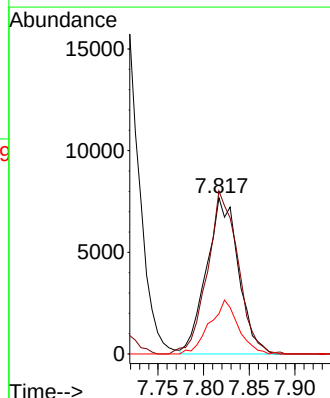
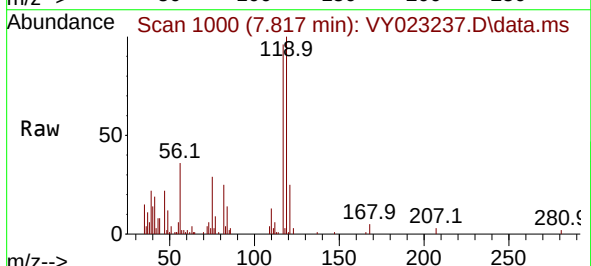
RT: 7.817 min Scan# 1000

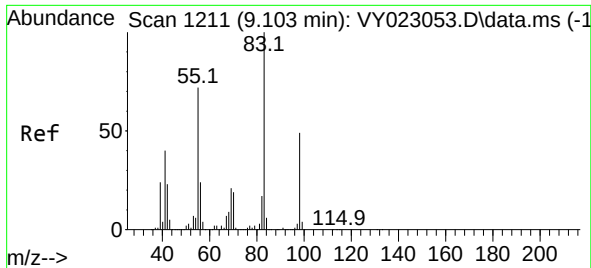
Delta R.T. -0.000 min

Lab File: VY023237.D

Acq: 29 Aug 2025 11:12

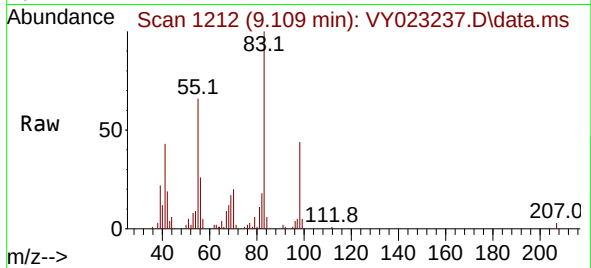
Tgt Ion:	117	Resp:	18683
Ion	Ratio	Lower	Upper
117	100		
119	103.3	75.6	113.4
121	25.8	25.8	38.8





#39
Methylcyclohexane
Concen: 2.440 ug/l
RT: 9.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

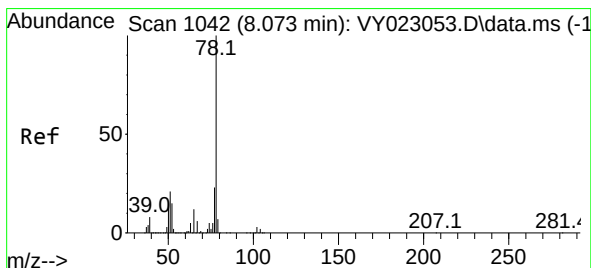
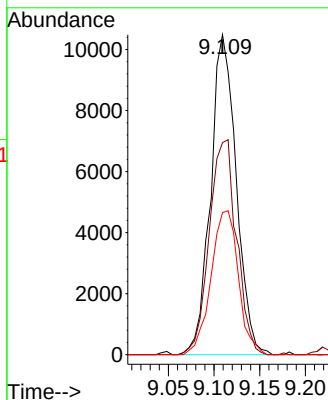
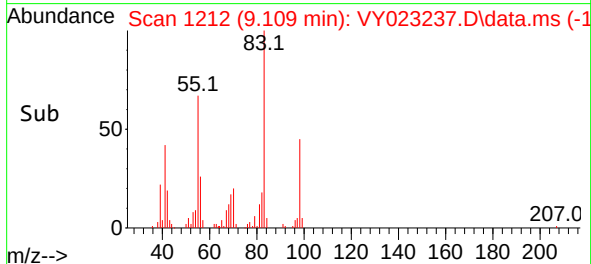
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025



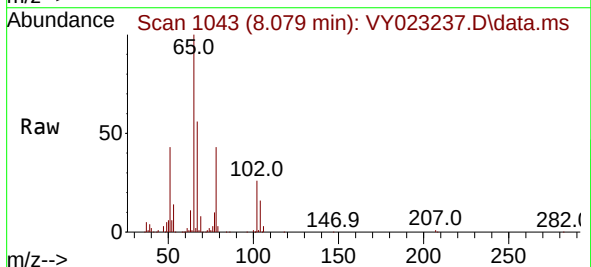
Tgt Ion: 83 Resp: 20440
Ion Ratio Lower Upper
83 100
55 66.3 57.6 86.4
98 44.4 39.2 58.8

Manual Integrations
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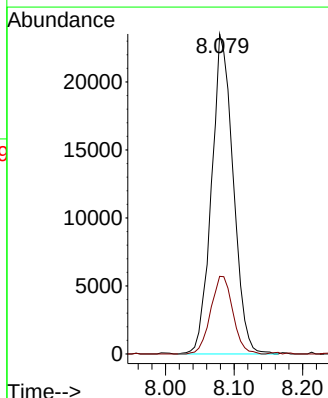
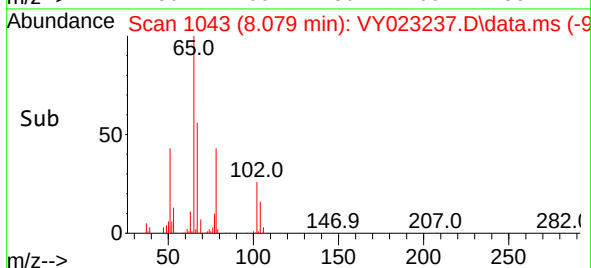
Reviewed By :Semsettin Yesilyurt 09/03/2025
Supervised By :Mahesh Dadoda 09/03/2025

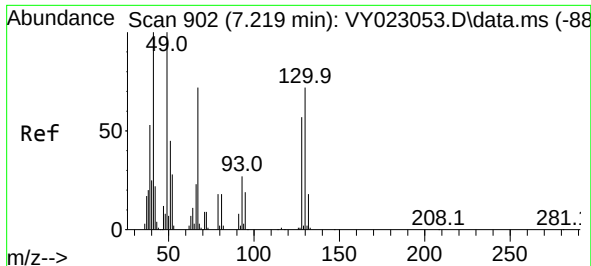


#40
Benzene
Concen: 2.631 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12



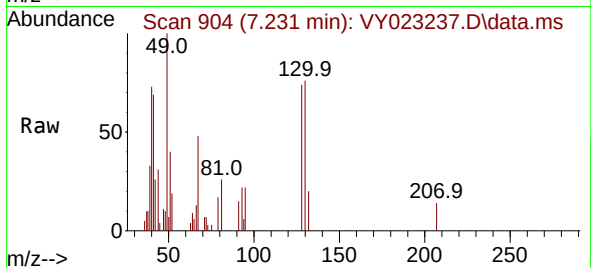
Tgt Ion: 78 Resp: 51589
Ion Ratio Lower Upper
78 100
77 24.2 18.6 28.0





#41
Methacrylonitrile
Concen: 2.624 ug/l m
RT: 7.231 min Scan# 904
Delta R.T. 0.012 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

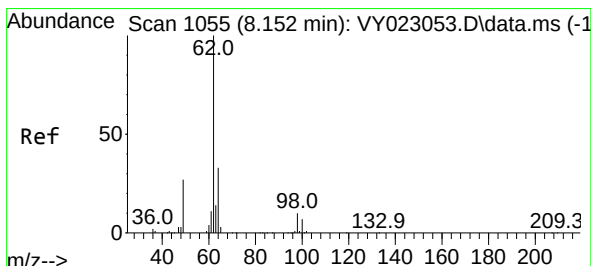
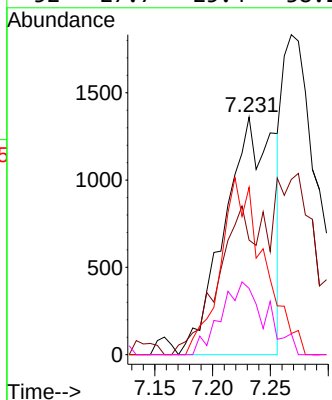
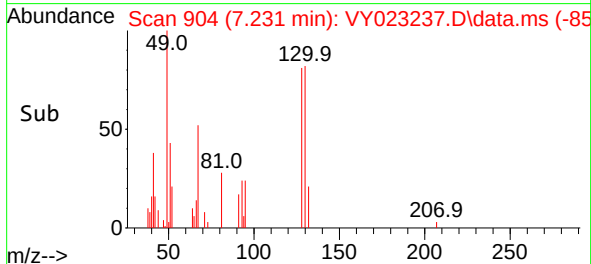
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion:	41	Resp:	404
Ion	Ratio	Lower	Upper
41	100		
39	45.9	43.4	65.2
67	65.4	63.6	95.4
52	27.7	25.4	38.2

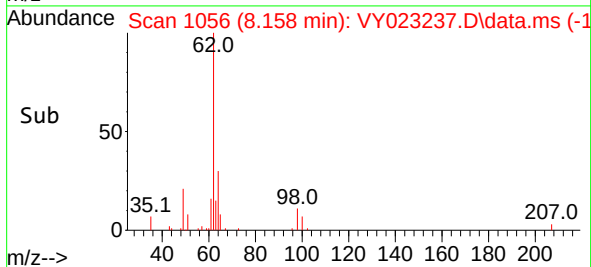
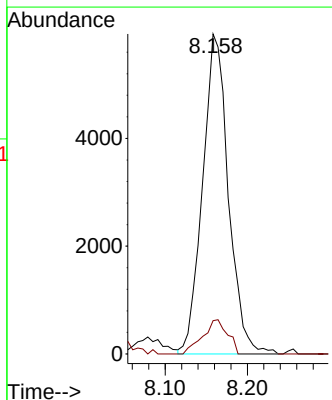
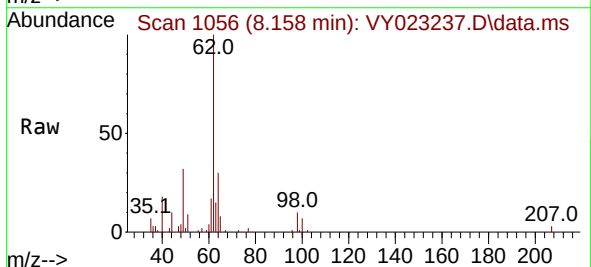
Manual Integrations
APPROVED

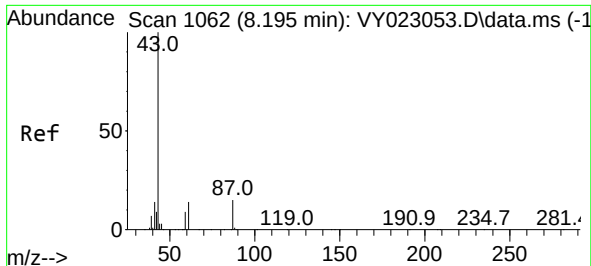
Reviewed By :Semsettin Yesilyurt 09/03/2025
Supervised By :Mahesh Dadoda 09/03/2025



#42
1,2-Dichloroethane
Concen: 2.540 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

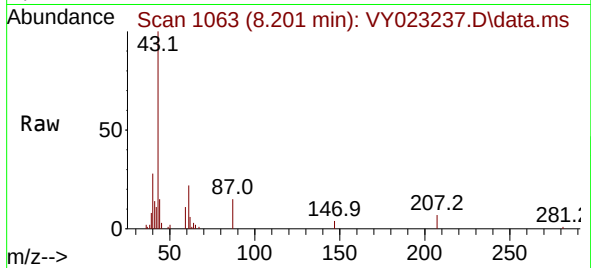
Tgt Ion:	62	Resp:	12954
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.6





#43
Isopropyl Acetate
Concen: 2.153 ug/l
RT: 8.201 min Scan# 1163
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

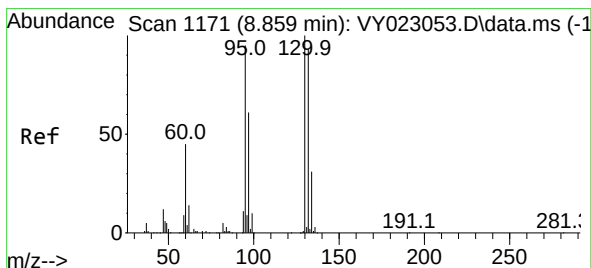
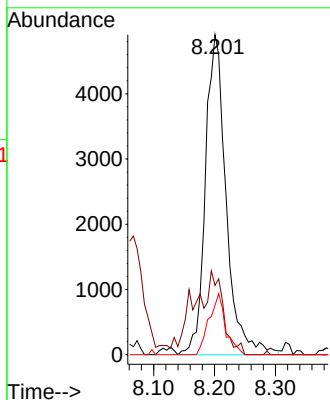
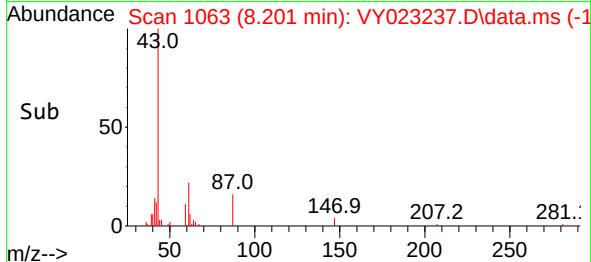
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion: 43 Resp: 1163
Ion Ratio Lower Upper
43 100
61 19.4 16.4 24.6
87 15.1 11.8 17.6

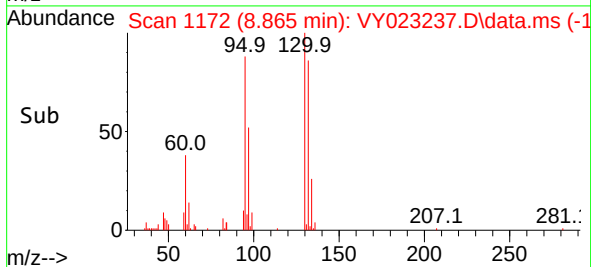
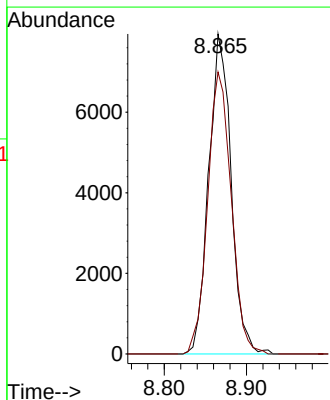
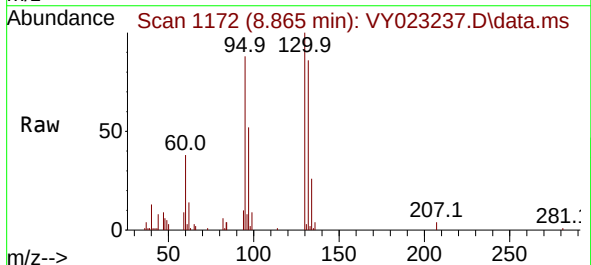
Manual Integrations
APPROVED

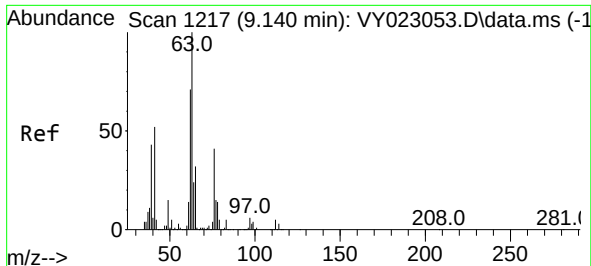
Reviewed By :Semsettin Yesilyurt 09/03/2025
Supervised By :Mahesh Dadoda 09/03/2025



#44
Trichloroethene
Concen: 2.967 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

Tgt Ion:130 Resp: 15035
Ion Ratio Lower Upper
130 100
95 88.1 0.0 190.2





#45

1,2-Dichloropropane

Concen: 2.625 ug/l

RT: 9.140 min Scan# 1184

Delta R.T. -0.000 min

Lab File: VY023237.D

Acq: 29 Aug 2025 11:12

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2025

Tgt Ion: 63 Resp: 1184

Ion Ratio Lower Upper

63 100

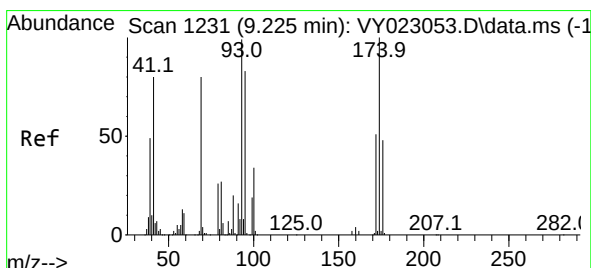
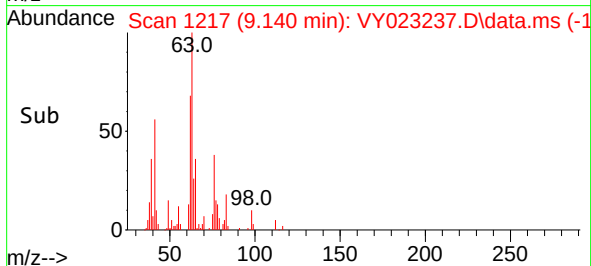
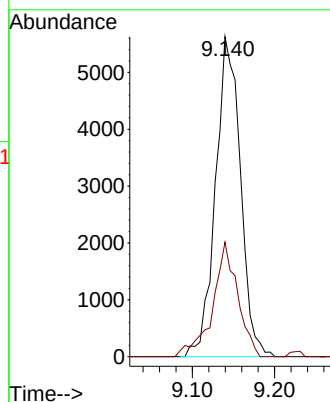
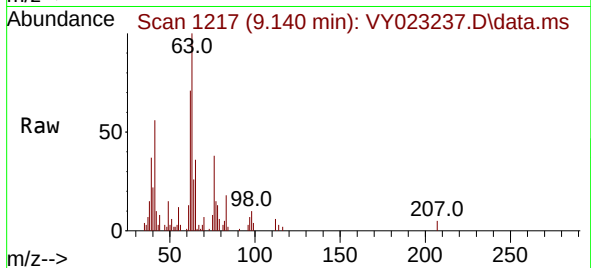
65 35.8 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/03/2025

Supervised By :Mahesh Dadoda 09/03/2025



#46

Dibromomethane

Concen: 2.631 ug/l

RT: 9.237 min Scan# 1233

Delta R.T. 0.012 min

Lab File: VY023237.D

Acq: 29 Aug 2025 11:12

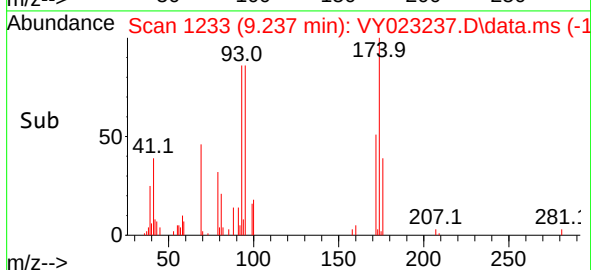
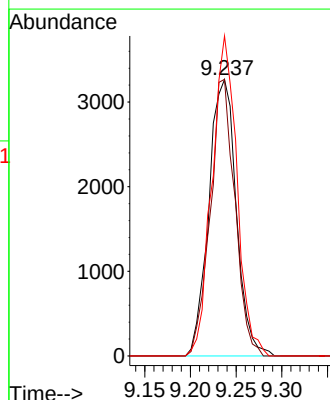
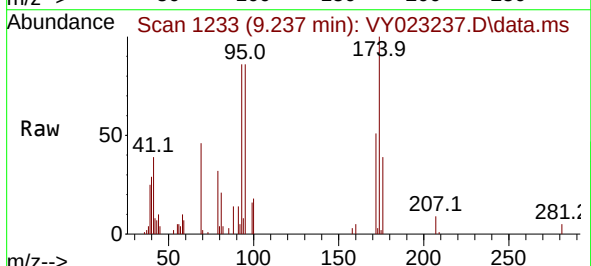
Tgt Ion: 93 Resp: 6814

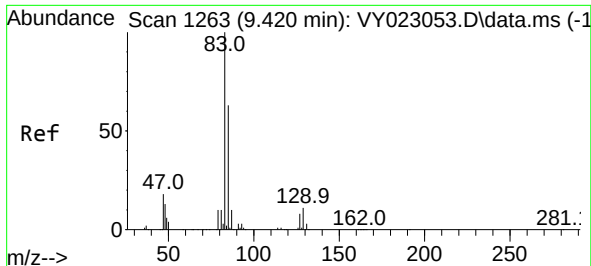
Ion Ratio Lower Upper

93 100

95 89.8 66.5 99.7

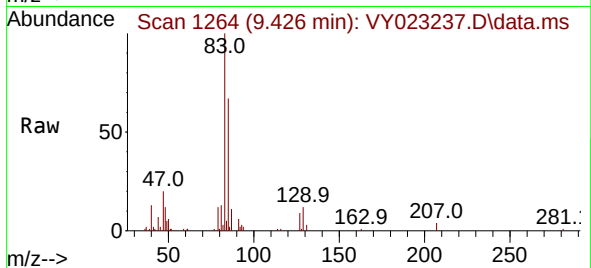
174 105.6 81.8 122.8





#47
Bromodichloromethane
Concen: 2.613 ug/l
RT: 9.426 min Scan# 1263
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

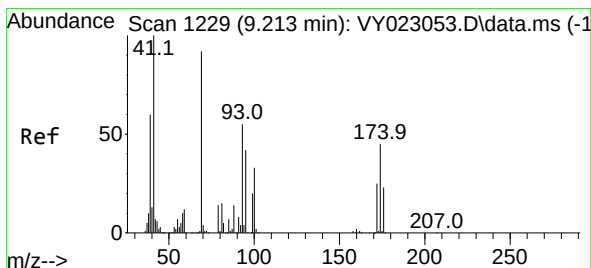
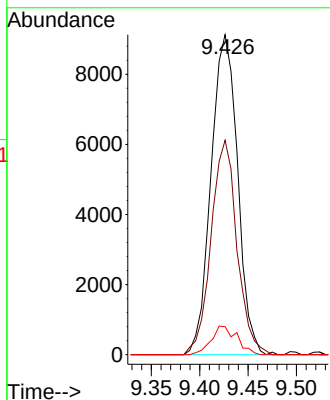
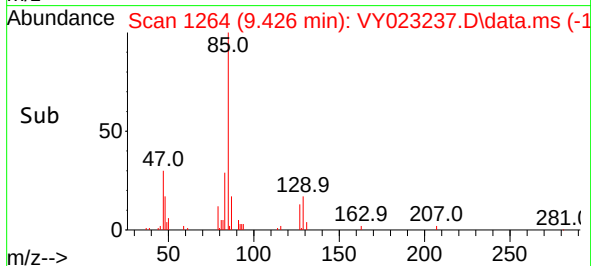
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion: 83 Resp: 17410
Ion Ratio Lower Upper
83 100
85 67.0 50.2 75.4
127 8.8 6.6 10.0

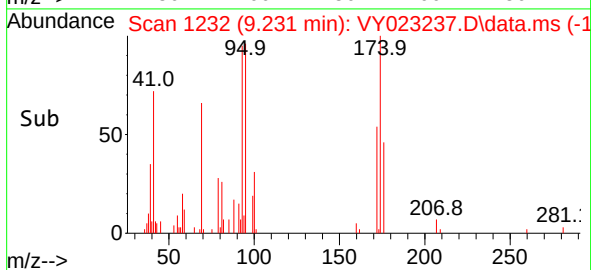
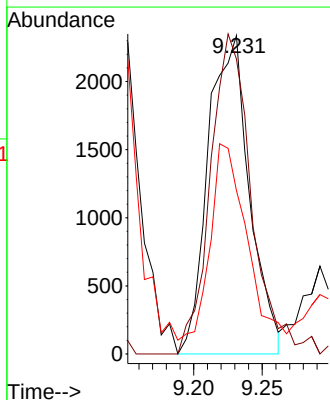
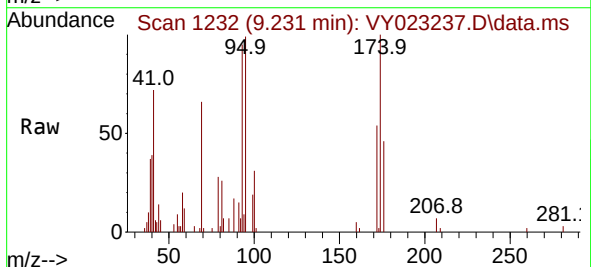
Manual Integrations
APPROVED

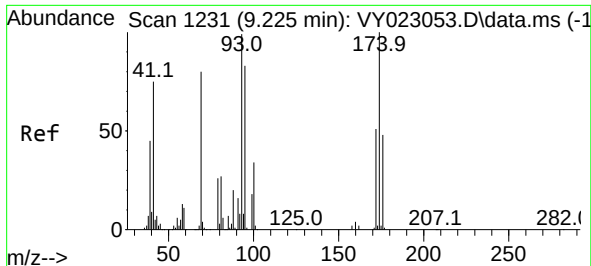
Reviewed By :Semsettin Yesilyurt 09/03/2025
Supervised By :Mahesh Dadoda 09/03/2025



#48
Methyl methacrylate
Concen: 1.893 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.018 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

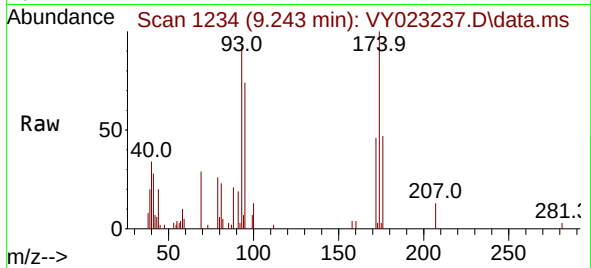
Tgt Ion: 41 Resp: 4894
Ion Ratio Lower Upper
41 100
69 100.8 73.2 109.8
39 54.5 47.0 70.4





#49
1,4-Dioxane
Concen: 46.237 ug/l
RT: 9.243 min Scan# 1234
Delta R.T. 0.018 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

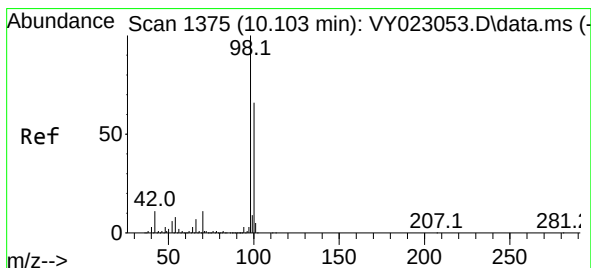
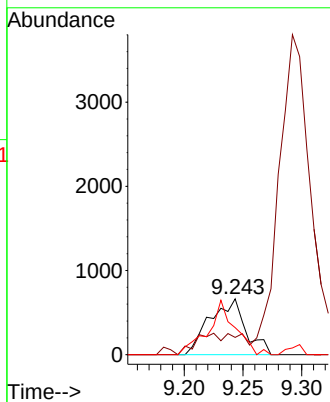
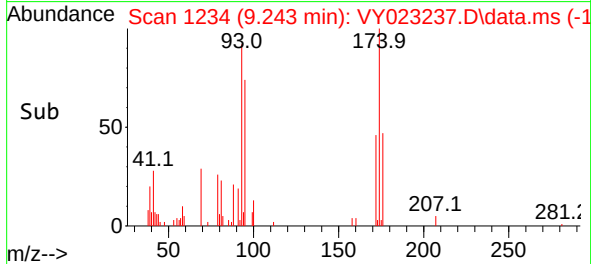
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion: 88 Resp: 1404
Ion Ratio Lower Upper
88 100
43 27.1 24.3 36.5
58 73.9 55.4 83.0

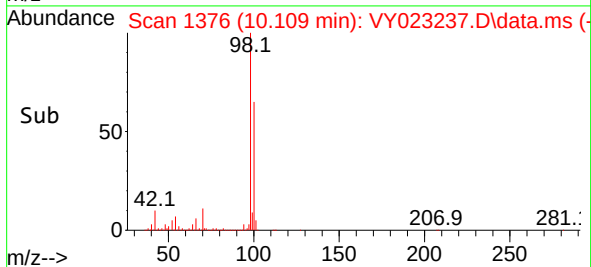
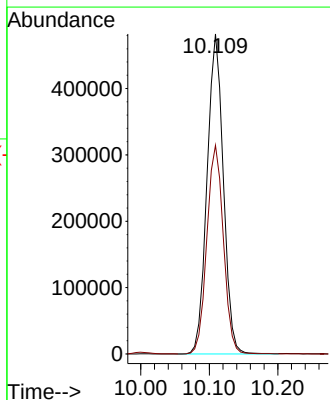
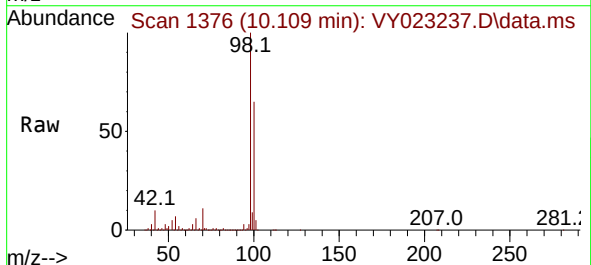
Manual Integrations
APPROVED

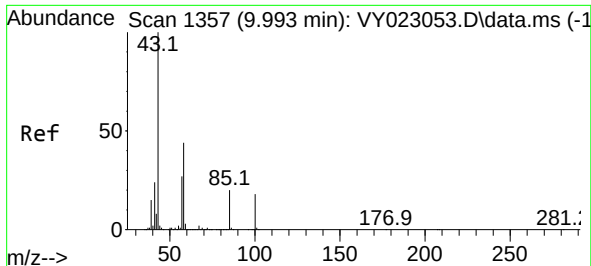
Reviewed By :Semsettin Yesilyurt 09/03/2025
Supervised By :Mahesh Dadoda 09/03/2025



#50
Toluene-d8
Concen: 47.675 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

Tgt Ion: 98 Resp: 797335
Ion Ratio Lower Upper
98 100
100 66.2 52.3 78.5





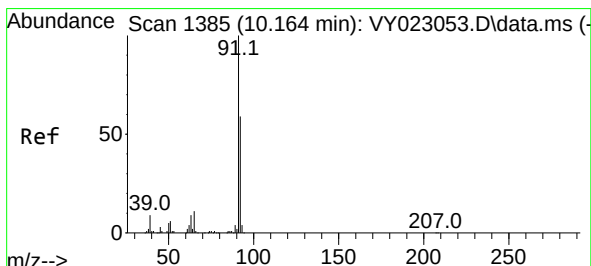
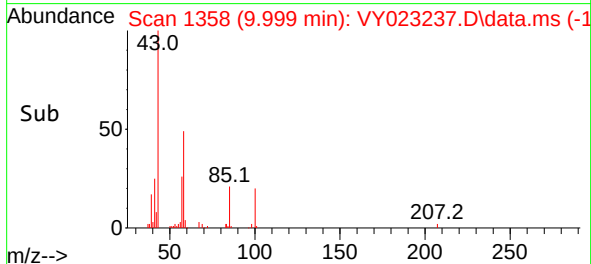
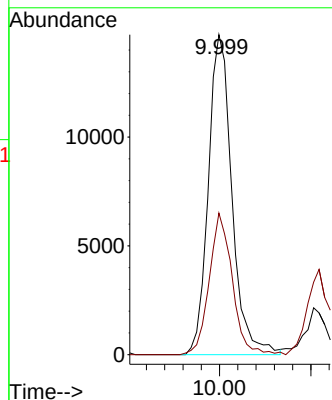
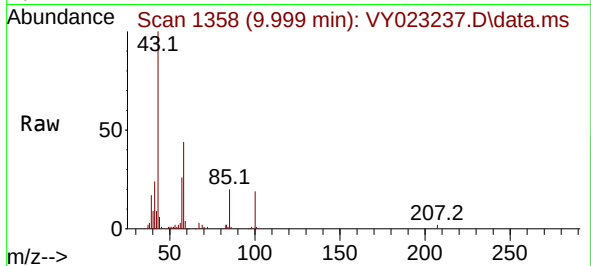
#51
4-Methyl-2-Pentanone
Concen: 9.474 ug/l
RT: 9.999 min Scan# 1357
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025

Tgt Ion: 43 Resp: 26398
Ion Ratio Lower Upper
43 100
58 43.1 33.5 50.3

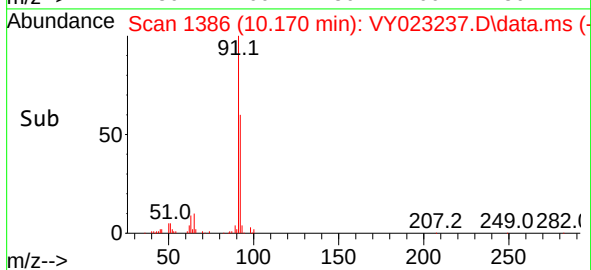
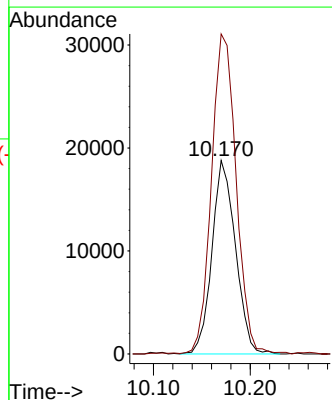
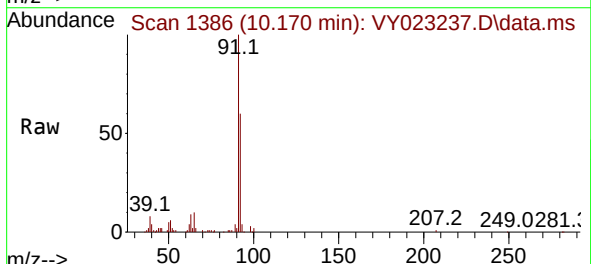
Manual Integrations
APPROVED

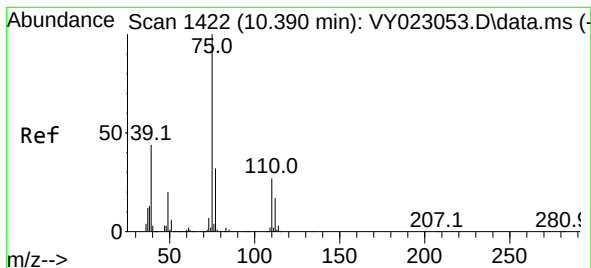
Reviewed By :Semsettin Yesilyurt 09/03/2025
Supervised By :Mahesh Dadoda 09/03/2025



#52
Toluene
Concen: 2.547 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

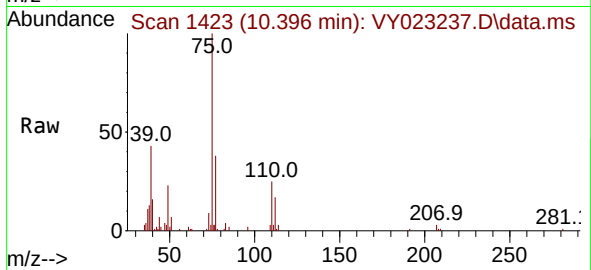
Tgt Ion: 92 Resp: 31724
Ion Ratio Lower Upper
92 100
91 173.6 136.4 204.6





#53
t-1,3-Dichloropropene
Concen: 2.263 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

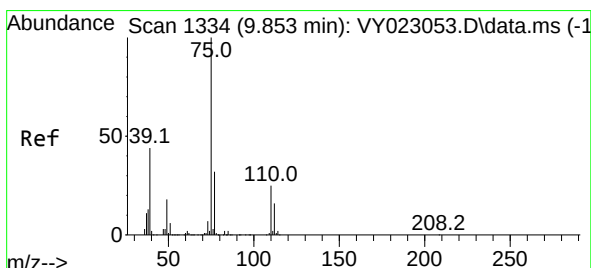
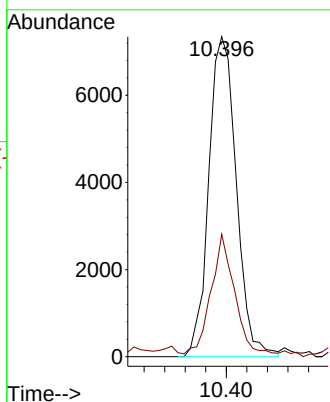
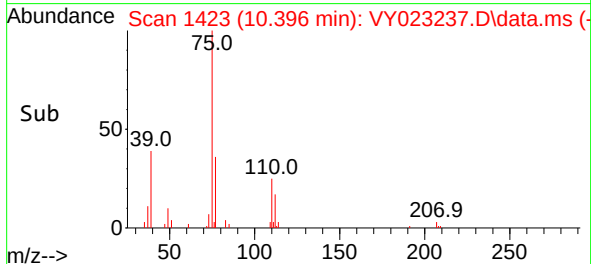
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025



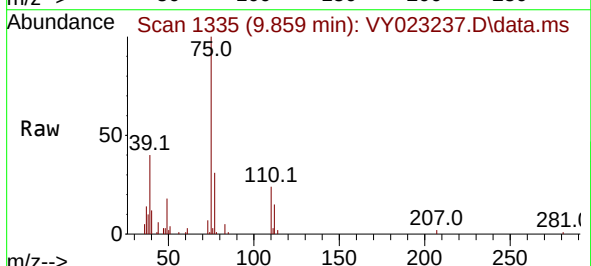
Tgt Ion: 75 Resp: 1365
Ion Ratio Lower Upper
75 100
77 37.2 25.7 38.5

Manual Integrations
APPROVED

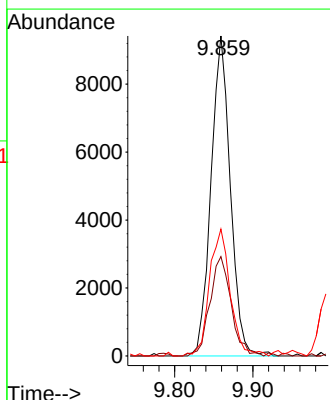
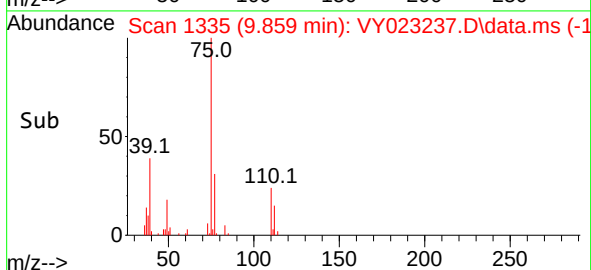
Reviewed By :Semsettin Yesilyurt 09/03/2025
Supervised By :Mahesh Dadoda 09/03/2025

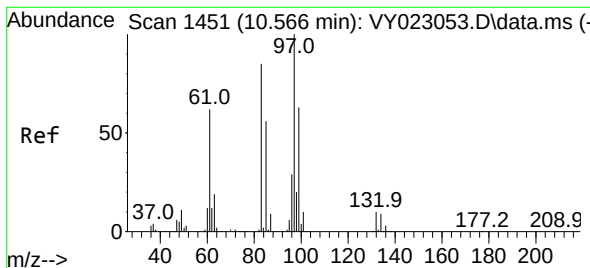


#54
cis-1,3-Dichloropropene
Concen: 2.268 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12



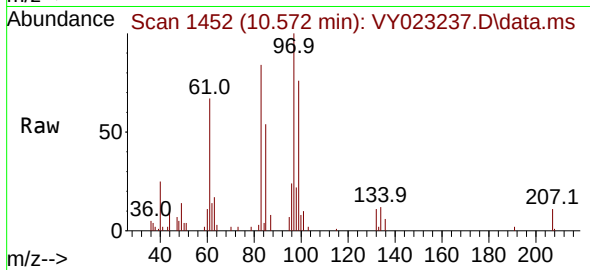
Tgt Ion: 75 Resp: 16186
Ion Ratio Lower Upper
75 100
77 31.1 25.4 38.0
39 39.6 35.6 53.4





#55
1,1,2-Trichloroethane
Concen: 2.657 ug/l
RT: 10.572 min Scan# 1452
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

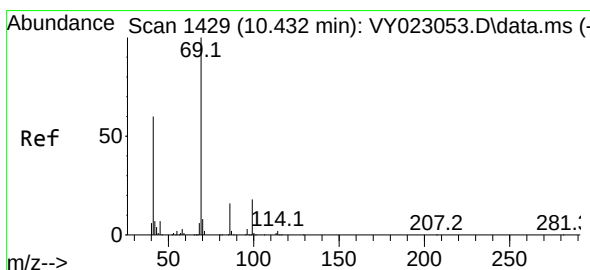
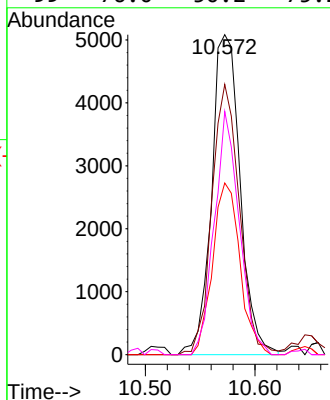
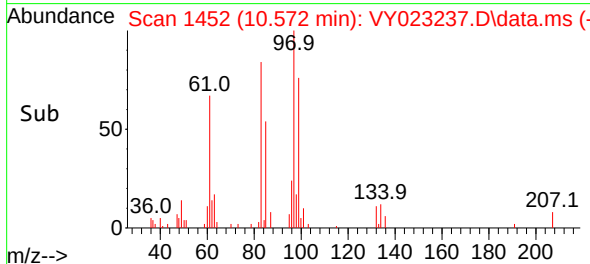
Instrument : MSVOA_Y
ClientSampleId : VY023237.D
MDL-SOIL-03-QT3-2025



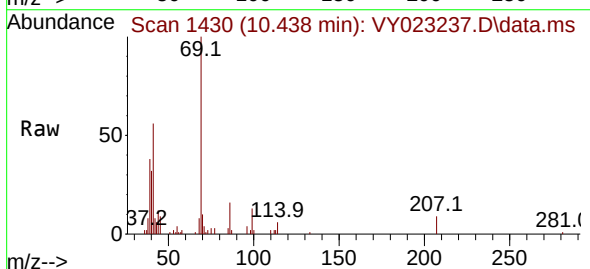
Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.4	67.7	101.5
85	53.6	44.5	66.7
99	76.0	50.2	75.2

Manual Integrations
APPROVED

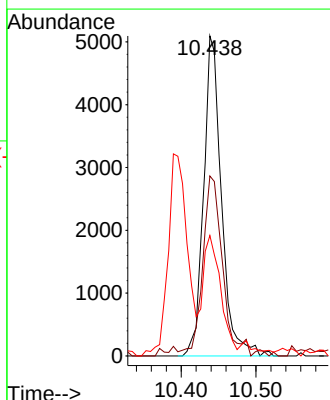
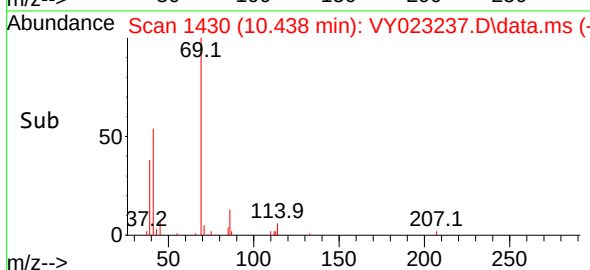
Reviewed By :Semsettin Yesilyurt 09/03/2025
Supervised By :Mahesh Dadoda 09/03/2025

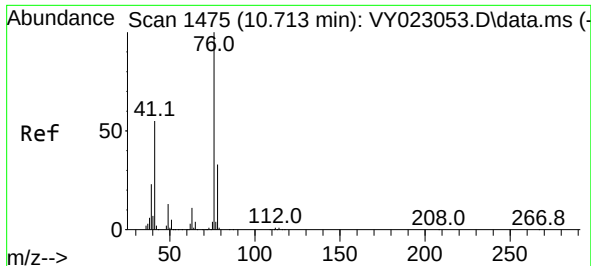


#56
Ethyl methacrylate
Concen: 1.913 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12



Tgt Ion	Ratio	Lower	Upper
69	100		
41	58.7	48.6	72.8
39	34.1	27.0	40.4





#57

1,3-Dichloropropane

Concen: 2.589 ug/l

RT: 10.719 min Scan# 1475

Delta R.T. 0.006 min

Lab File: VY023237.D

Acq: 29 Aug 2025 11:12

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2025

Tgt Ion: 76 Resp: 15214

Ion Ratio Lower Upper

76 100

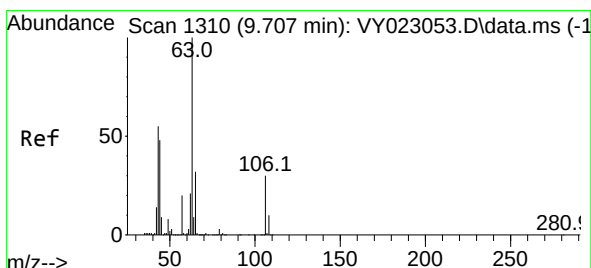
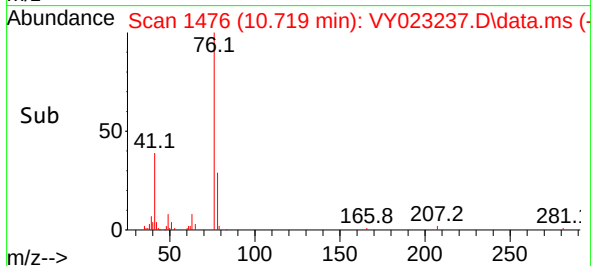
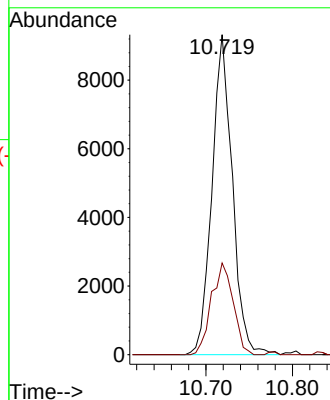
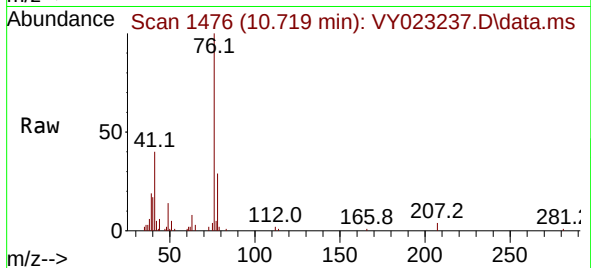
78 30.6 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/03/2025

Supervised By :Mahesh Dadoda 09/03/2025



#58

2-Chloroethyl Vinyl ether

Concen: 8.150 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.006 min

Lab File: VY023237.D

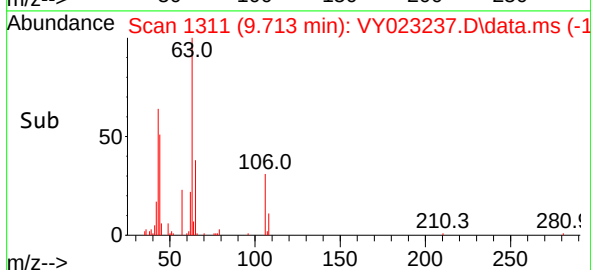
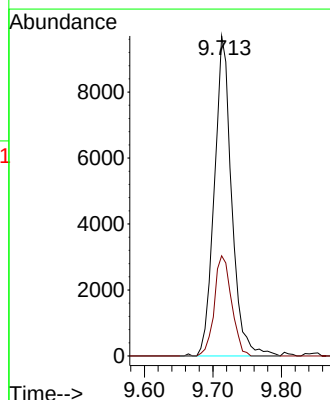
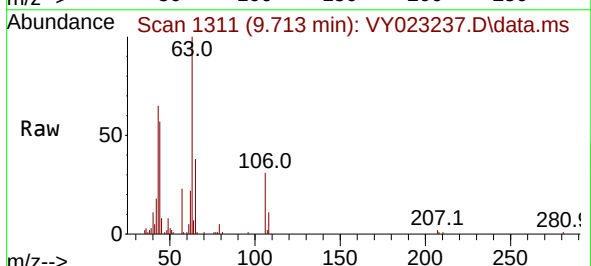
Acq: 29 Aug 2025 11:12

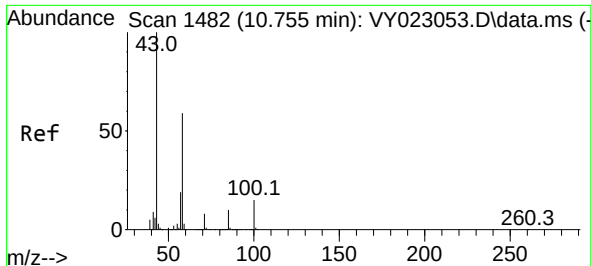
Tgt Ion: 63 Resp: 17046

Ion Ratio Lower Upper

63 100

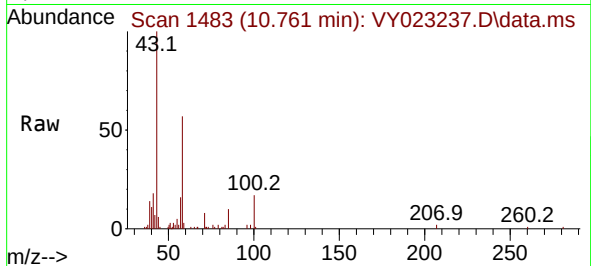
106 31.1 23.2 34.8





#59
2-Hexanone
Concen: 9.116 ug/l
RT: 10.761 min Scan# 1483
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

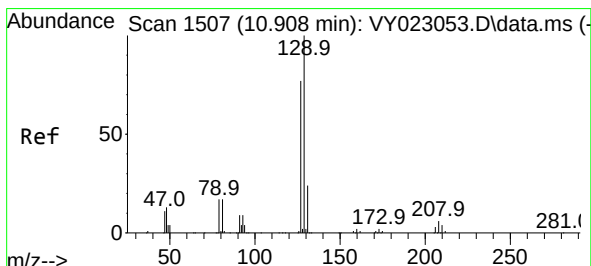
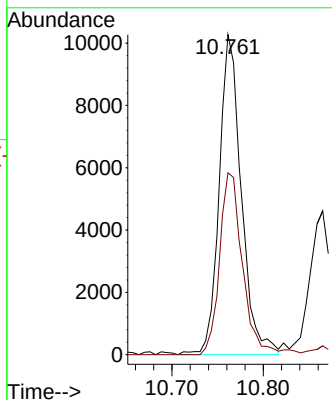
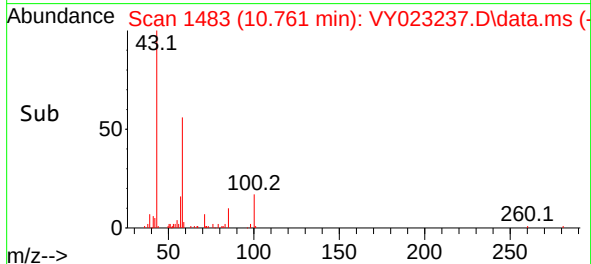
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion: 43 Resp: 1729
Ion Ratio Lower Upper
43 100
58 59.1 29.5 88.5

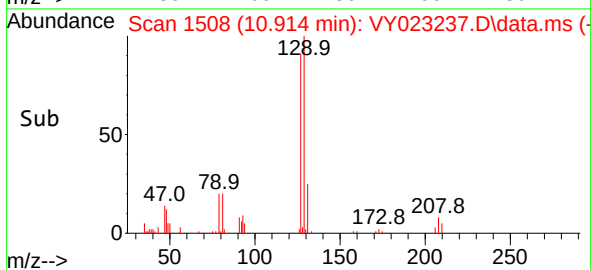
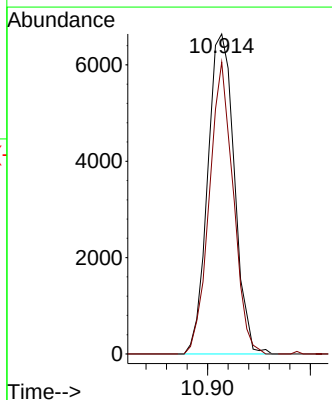
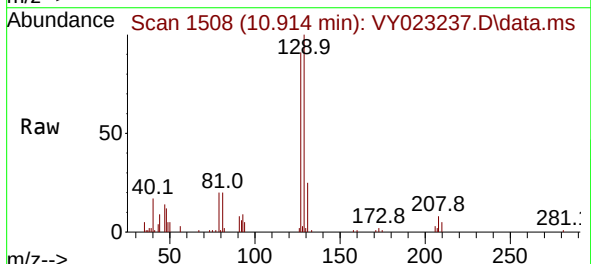
Manual Integrations
APPROVED

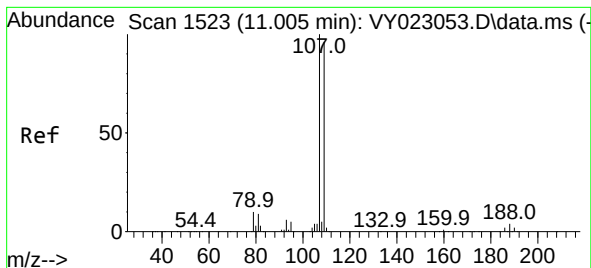
Reviewed By :Semsettin Yesilyurt 09/03/2025
Supervised By :Mahesh Dadoda 09/03/2025



#60
Dibromochloromethane
Concen: 2.614 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

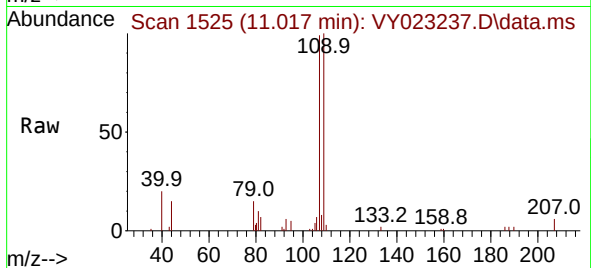
Tgt Ion:129 Resp: 11952
Ion Ratio Lower Upper
129 100
127 81.7 38.5 115.5





#61
1,2-Dibromoethane
Concen: 2.558 ug/l
RT: 11.017 min Scan# 1523
Delta R.T. 0.012 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

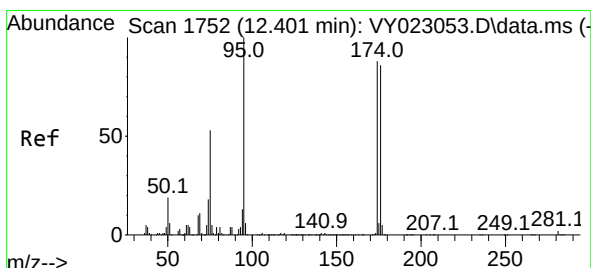
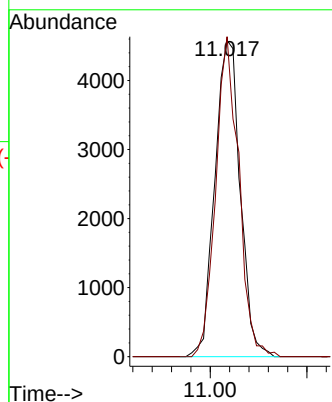
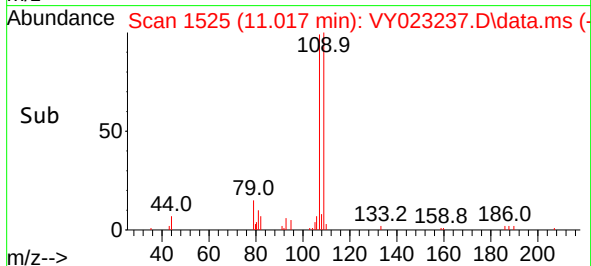
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025



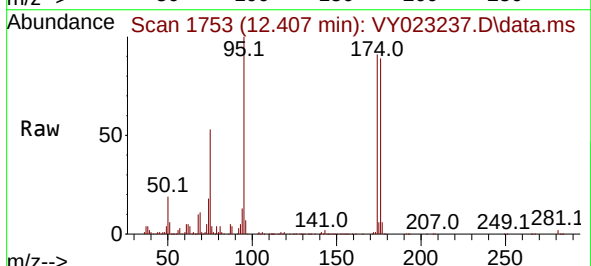
Tgt Ion:107 Resp: 833
Ion Ratio Lower Upper
107 100
109 92.0 75.6 113.4

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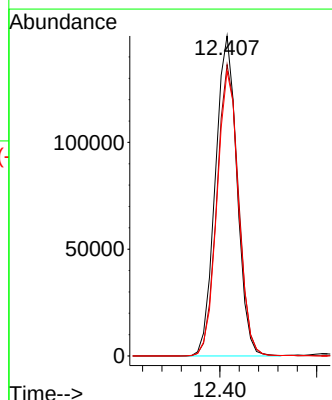
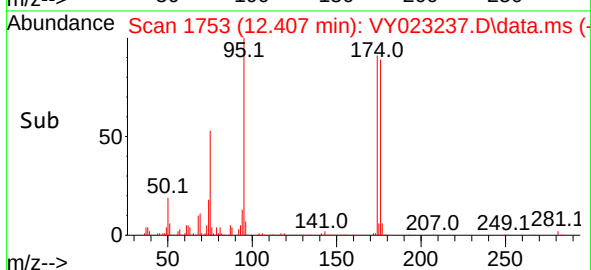
Reviewed By :Semsettin Yesilyurt 09/03/2025
Supervised By :Mahesh Dadoda 09/03/2025

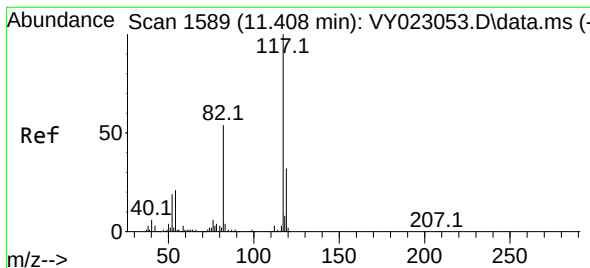


#62
4-Bromofluorobenzene
Concen: 43.254 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12



Tgt Ion: 95 Resp: 232641
Ion Ratio Lower Upper
95 100
174 91.1 0.0 171.6
176 88.5 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY023237.D

Acq: 29 Aug 2025 11:12

Instrument :

MSVOA_Y

ClientSampleId :

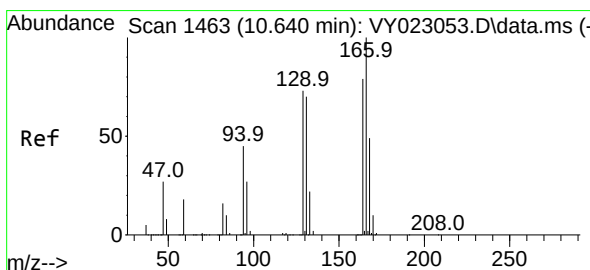
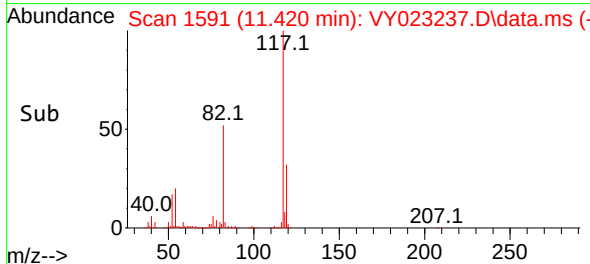
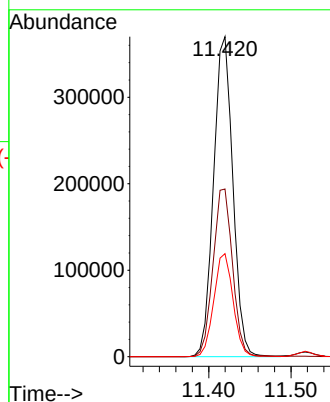
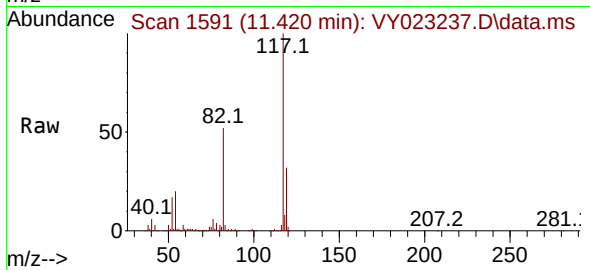
MDL-SOIL-03-QT3-2025

Tgt Ion:117	Resp: 603818
Ion Ratio	Lower Upper
117 100	
82 52.4	43.4 65.0
119 32.2	25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/03/2025
Supervised By :Mahesh Dadoda 09/03/2025



#64

Tetrachloroethene

Concen: 3.302 ug/l

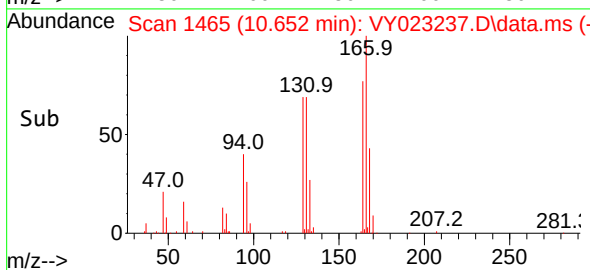
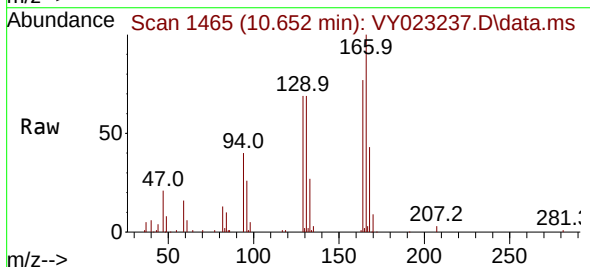
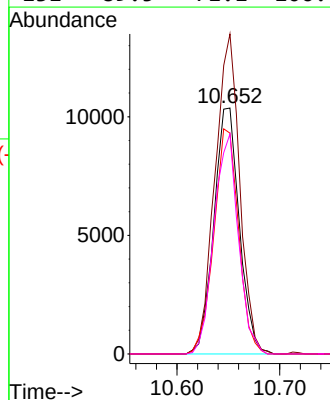
RT: 10.652 min Scan# 1465

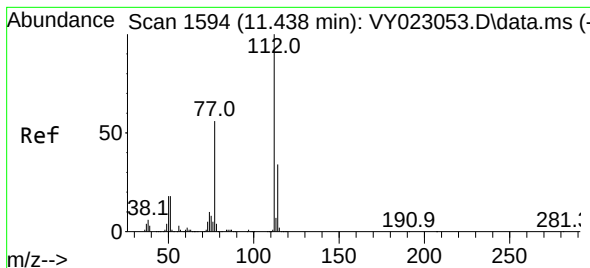
Delta R.T. 0.012 min

Lab File: VY023237.D

Acq: 29 Aug 2025 11:12

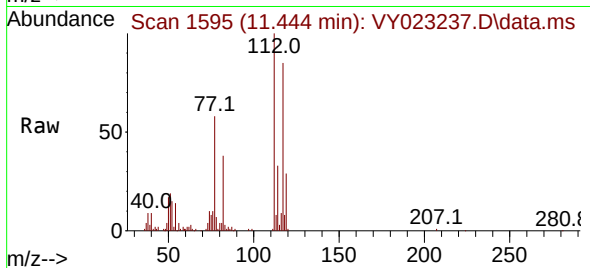
Tgt Ion:164	Resp: 17805
Ion Ratio	Lower Upper
164 100	
166 130.1	101.1 151.7
129 89.8	74.0 111.0
131 89.5	71.1 106.7





#65
Chlorobenzene
Concen: 2.838 ug/l
RT: 11.444 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

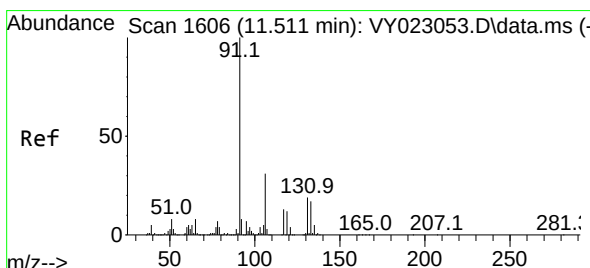
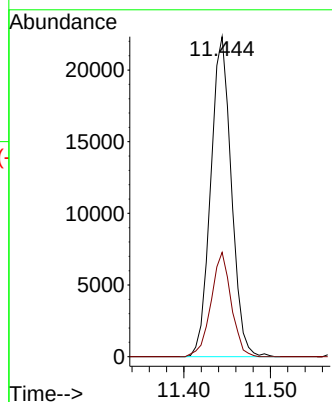
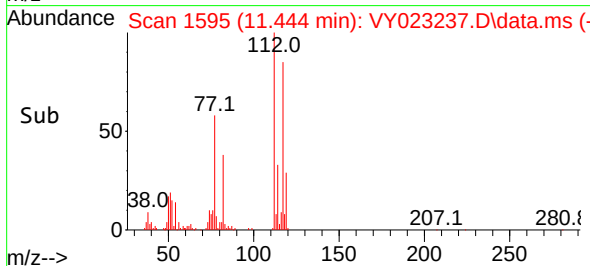
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025



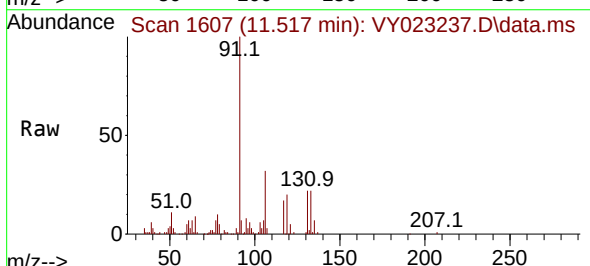
Tgt Ion:112 Resp: 36964
Ion Ratio Lower Upper
112 100
114 32.6 27.0 40.4

Manual Integrations
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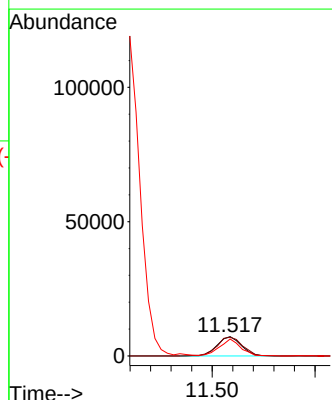
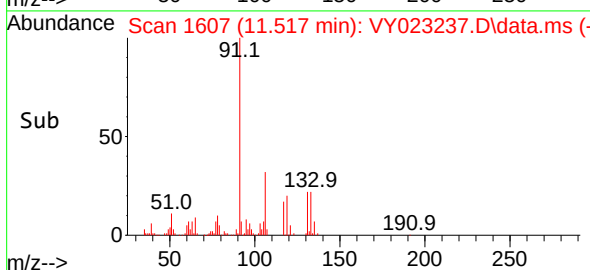
Reviewed By :Semsettin Yesilyurt 09/03/2025
Supervised By :Mahesh Dadoda 09/03/2025

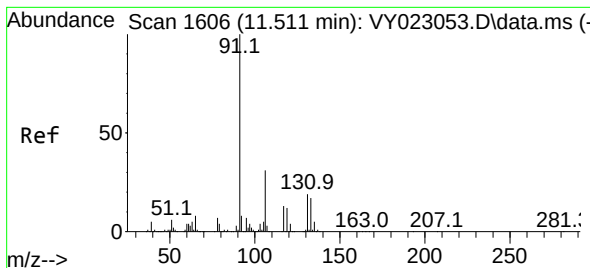


#66
1,1,1,2-Tetrachloroethane
Concen: 2.631 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12



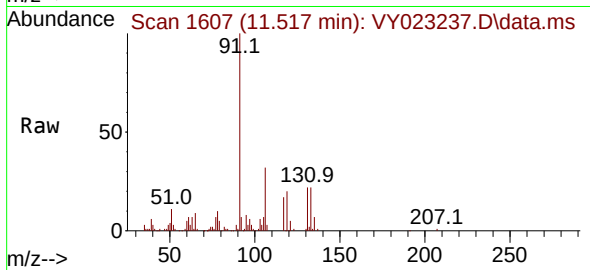
Tgt Ion:131 Resp: 11629
Ion Ratio Lower Upper
131 100
133 104.6 46.9 140.6
119 77.3 33.2 99.6





#67
Ethyl Benzene
Concen: 2.386 ug/l
RT: 11.517 min Scan# 1606
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

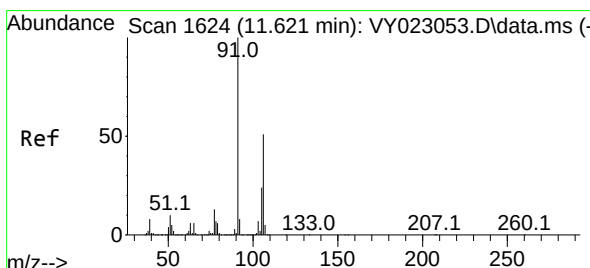
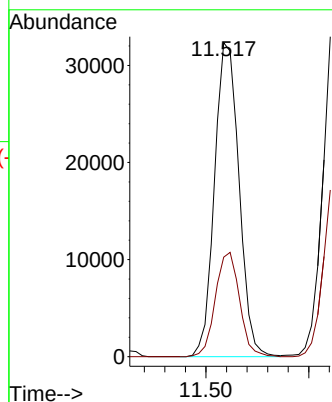
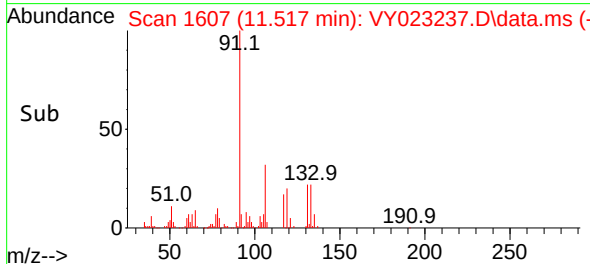
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025



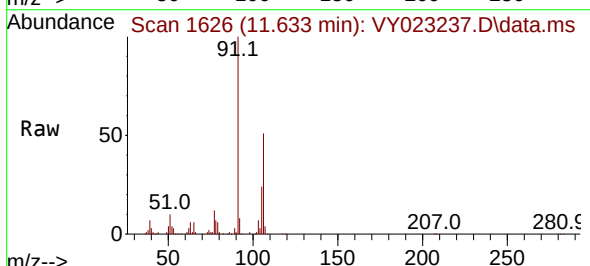
Tgt Ion: 91 Resp: 53489
Ion Ratio Lower Upper
91 100
106 31.7 25.0 37.4

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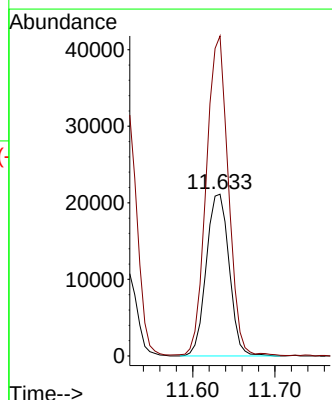
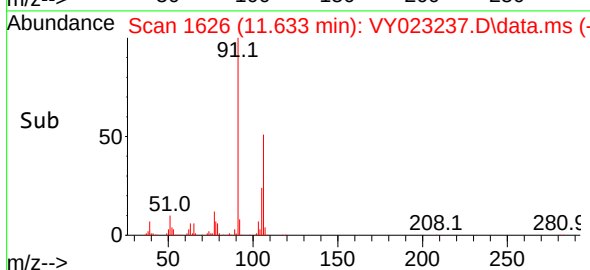
Reviewed By :Semsettin Yesilyurt 09/03/2025
Supervised By :Mahesh Dadoda 09/03/2025

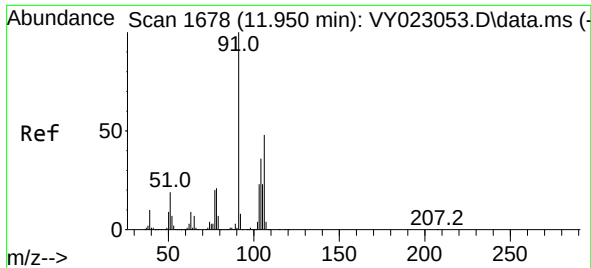


#68
m/p-Xylenes
Concen: 4.664 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.012 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12



Tgt Ion:106 Resp: 40832
Ion Ratio Lower Upper
106 100
91 190.6 158.6 238.0





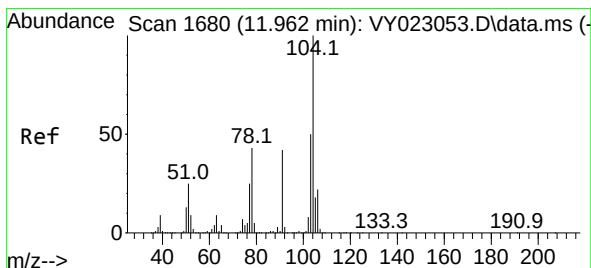
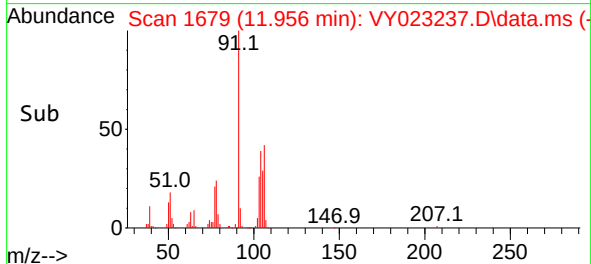
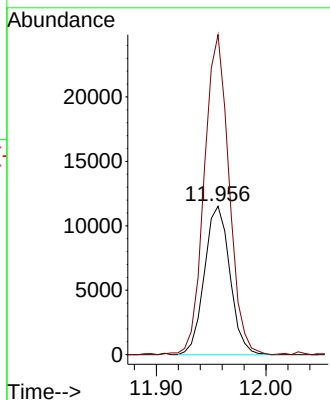
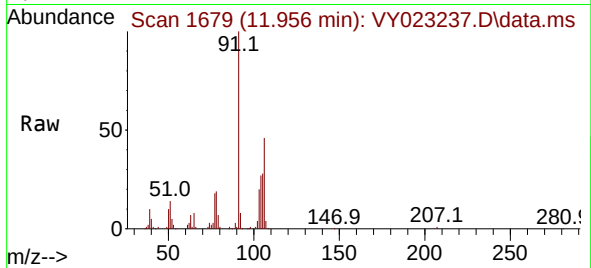
#69
o-Xylene
Concen: 2.271 ug/l
RT: 11.956 min Scan# 1678
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025

Tgt Ion:106 Resp: 18610
Ion Ratio Lower Upper
106 100
91 209.7 103.2 309.4

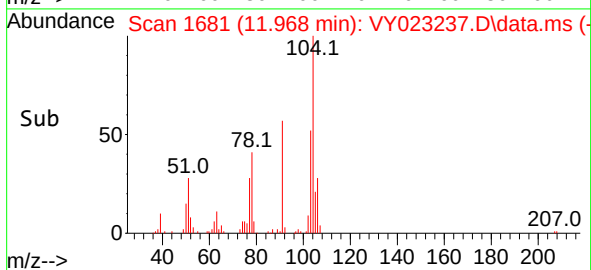
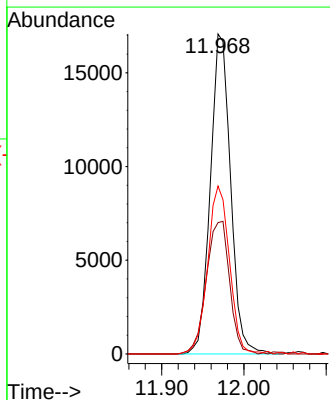
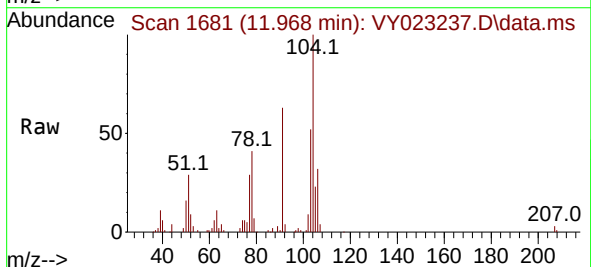
Manual Integrations
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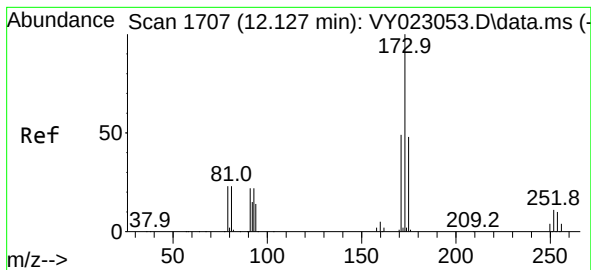
Reviewed By :Semsettin Yesilyurt 09/03/2025
Supervised By :Mahesh Dadoda 09/03/2025



#70
Styrene
Concen: 2.180 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

Tgt Ion:104 Resp: 29226
Ion Ratio Lower Upper
104 100
78 47.7 38.5 57.7
103 56.8 43.7 65.5





#71

Bromoform

Concen: 2.760 ug/l

RT: 12.133 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023237.D

Acq: 29 Aug 2025 11:12

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2025

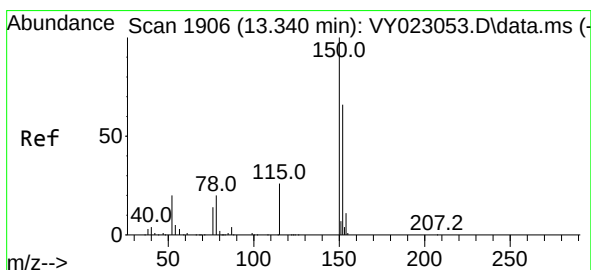
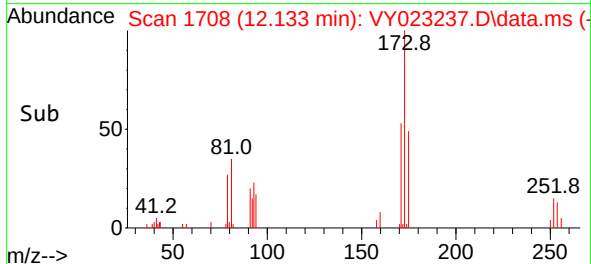
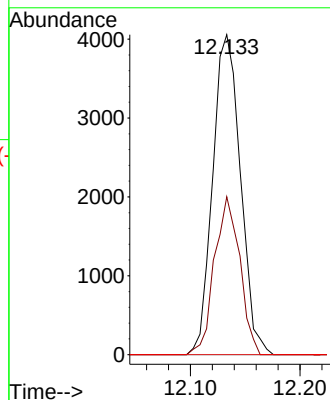
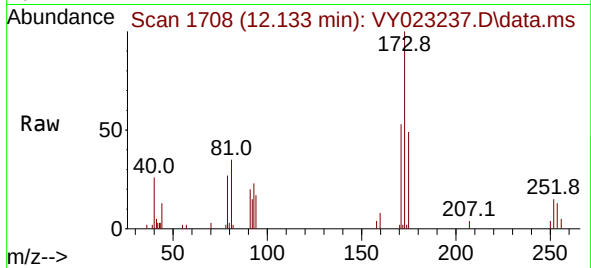
Tgt Ion:	173	Resp:	713
Ion Ratio	Lower	Upper	
173	100		
175	45.1	23.9	71.7
254	0.0	0.1	0.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/03/2025

Supervised By :Mahesh Dadoda 09/03/2025



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

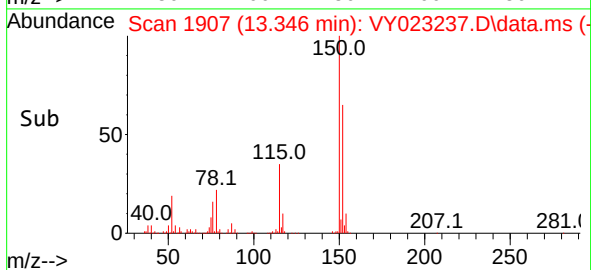
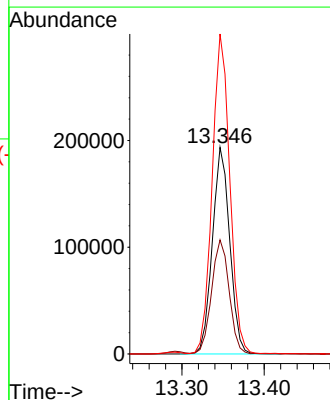
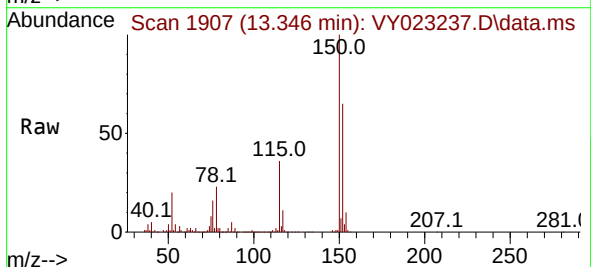
RT: 13.346 min Scan# 1907

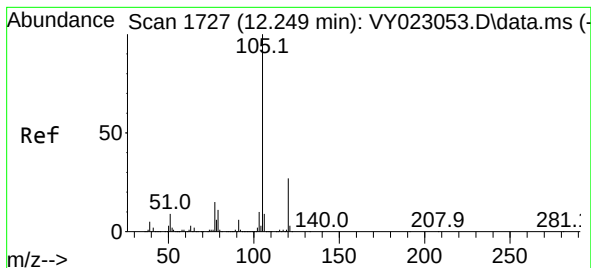
Delta R.T. 0.006 min

Lab File: VY023237.D

Acq: 29 Aug 2025 11:12

Tgt Ion:	152	Resp:	284265
Ion Ratio	Lower	Upper	
152	100		
115	55.8	28.2	84.6
150	156.4	0.0	348.0





#73

Isopropylbenzene

Concen: 2.388 ug/l

RT: 12.255 min Scan# 1727

Delta R.T. 0.006 min

Lab File: VY023237.D

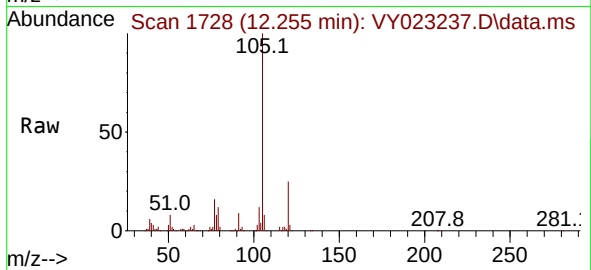
Acq: 29 Aug 2025 11:12

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2025



Tgt Ion:105 Resp: 4790

Ion Ratio Lower Upper

105 100

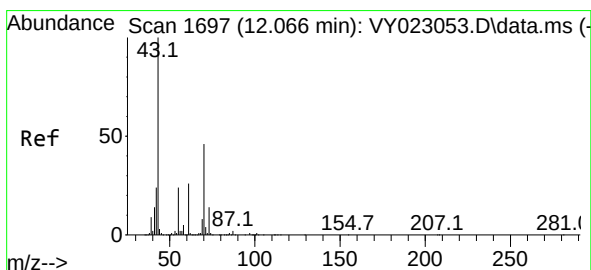
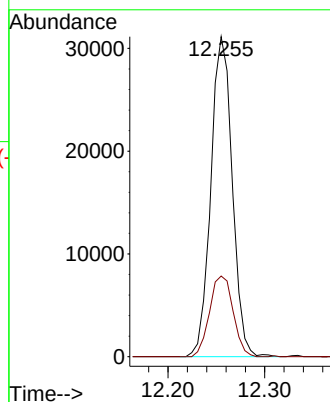
120 27.7 13.4 40.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/03/2025

Supervised By :Mahesh Dadoda 09/03/2025



#74

N-ethyl acetate

Concen: 1.895 ug/l

RT: 12.072 min Scan# 1698

Delta R.T. 0.006 min

Lab File: VY023237.D

Acq: 29 Aug 2025 11:12

Tgt Ion: 43 Resp: 8061

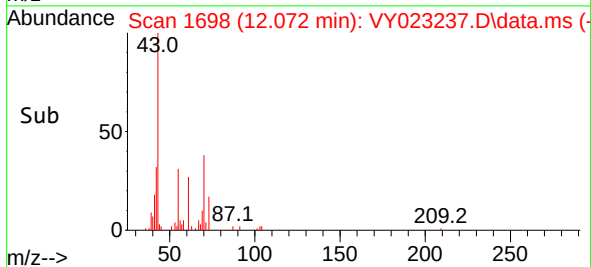
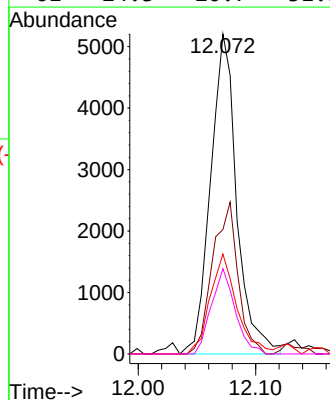
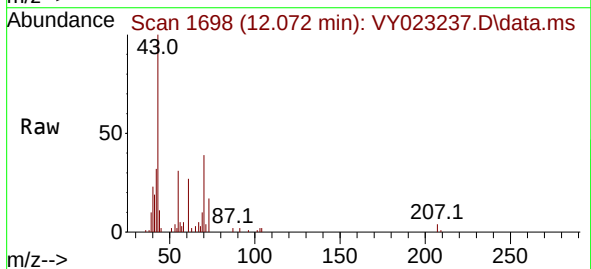
Ion Ratio Lower Upper

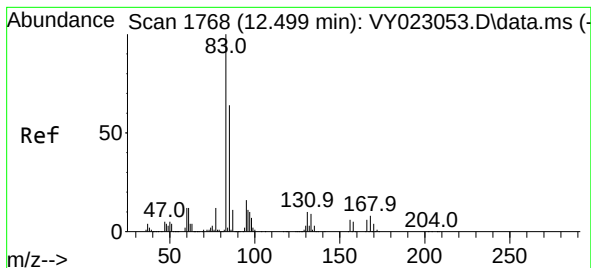
43 100

70 46.1 37.5 56.3

55 31.9 20.7 31.1#

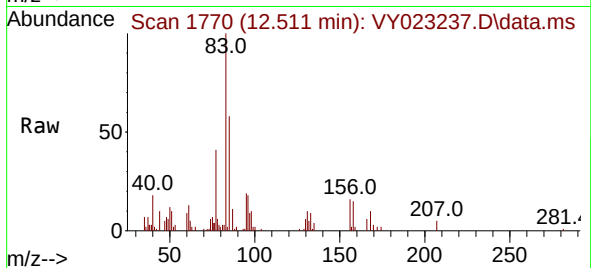
61 24.3 20.7 31.1





#75
1,1,2,2-Tetrachloroethane
Concen: 2.476 ug/l
RT: 12.511 min Scan# 1770
Delta R.T. 0.012 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

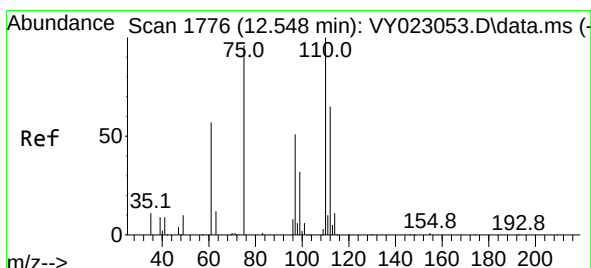
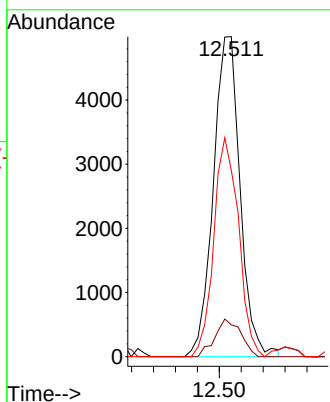
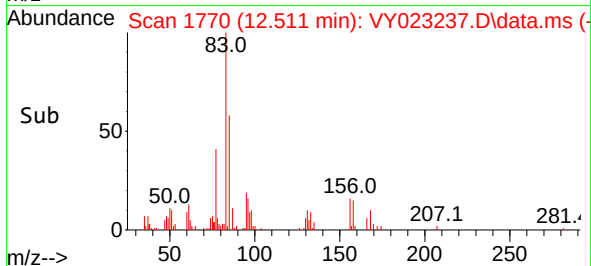
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025



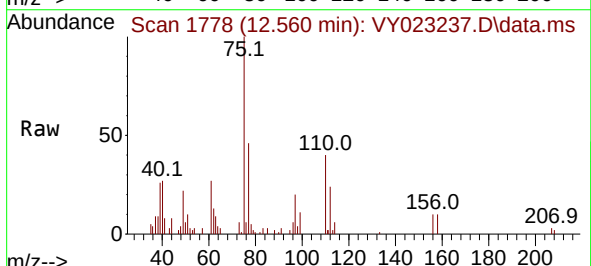
Tgt Ion: 83 Resp: 848
Ion Ratio Lower Upper
83 100
131 11.3 5.1 15.3
85 63.0 31.8 95.3

Manual Integrations
APPROVED

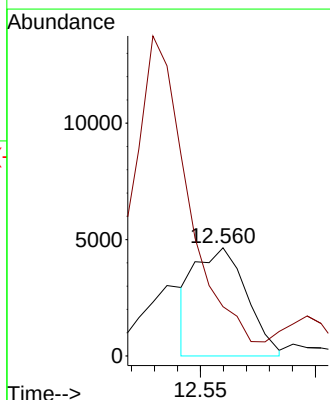
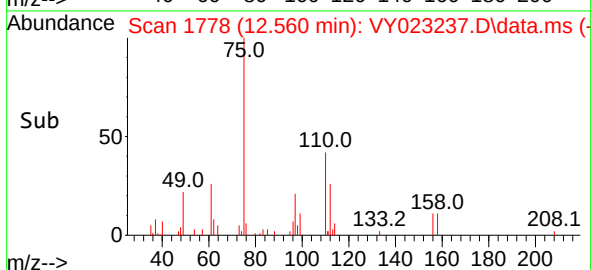
Reviewed By :Semsettin Yesilyurt 09/03/2025
Supervised By :Mahesh Dadoda 09/03/2025

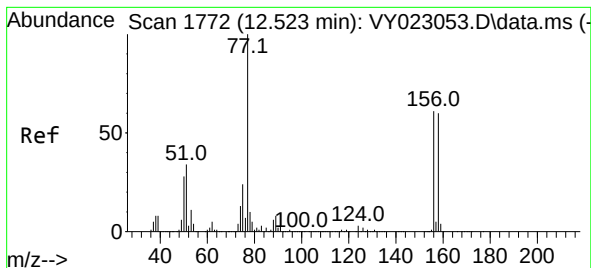


#76
1,2,3-Trichloropropane
Concen: 2.642 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.012 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12



Tgt Ion: 75 Resp: 7248
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 3.014 ug/l

RT: 12.529 min Scan# 1772

Delta R.T. 0.006 min

Lab File: VY023237.D

Acq: 29 Aug 2025 11:12

Instrument :

MSVOA_Y

ClientSampleId :

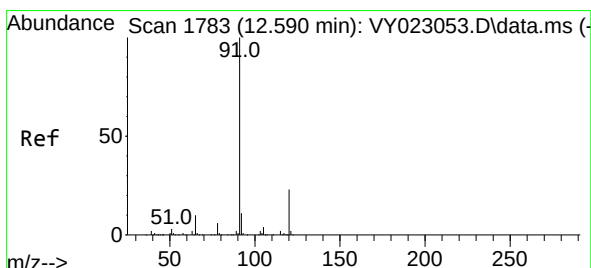
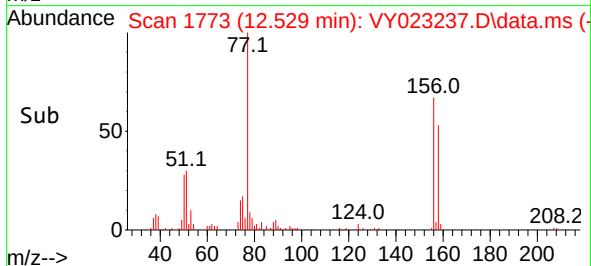
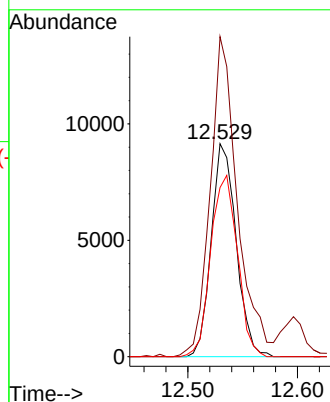
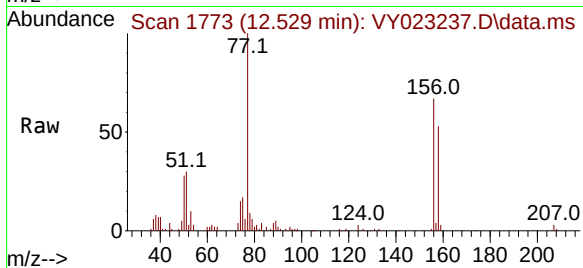
MDL-SOIL-03-QT3-2025

Tgt Ion:	156	Resp:	1442
Ion Ratio	Lower	Upper	
156	100		
77	164.9	88.1	264.4
158	91.4	48.0	144.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/03/2025
Supervised By :Mahesh Dadoda 09/03/2025



#78

n-propylbenzene

Concen: 2.612 ug/l

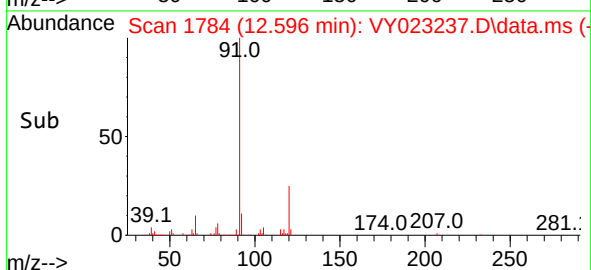
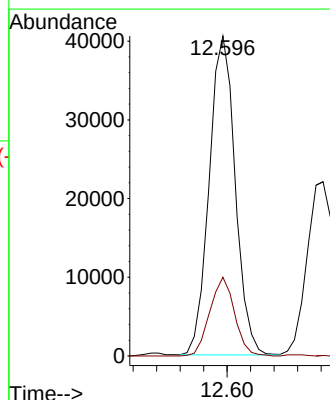
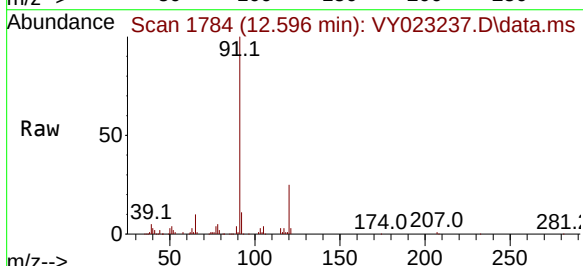
RT: 12.596 min Scan# 1784

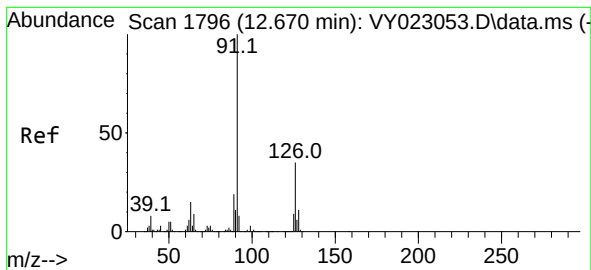
Delta R.T. 0.006 min

Lab File: VY023237.D

Acq: 29 Aug 2025 11:12

Tgt Ion:	91	Resp:	62387
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.5	34.5





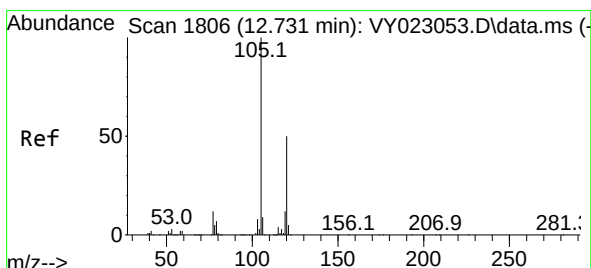
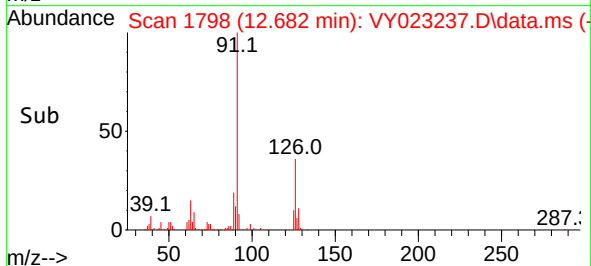
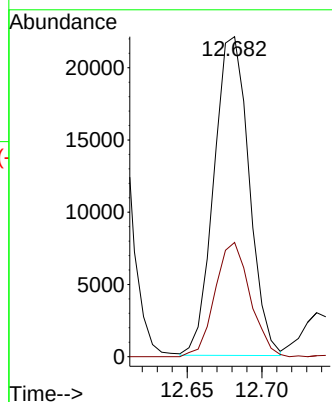
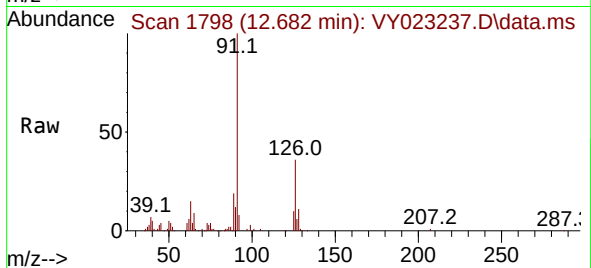
#79
2-Chlorotoluene
Concen: 2.638 ug/l
RT: 12.682 min Scan# 1796
Delta R.T. 0.012 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025

Tgt Ion: 91 Resp: 3610
Ion Ratio Lower Upper
91 100
126 35.7 17.4 52.3

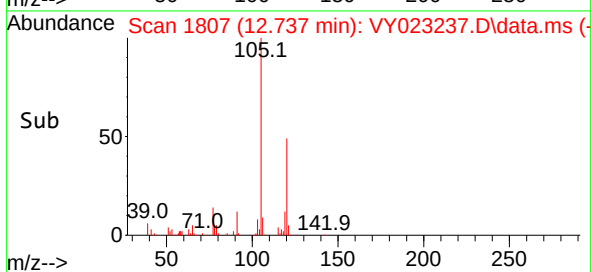
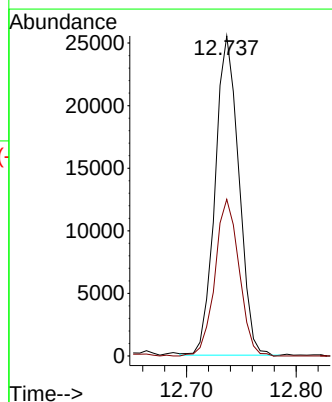
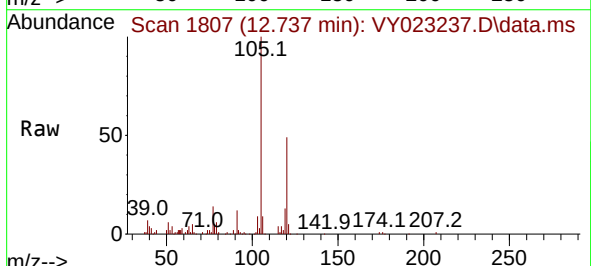
Manual Integrations
APPROVED

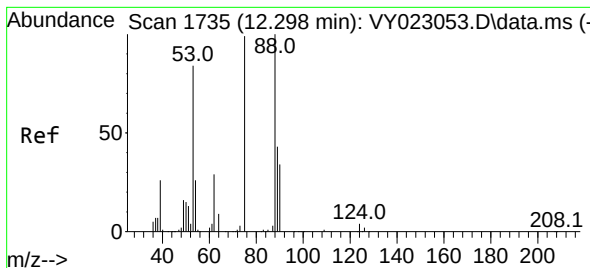
Reviewed By :Semsettin Yesilyurt 09/03/2025
Supervised By :Mahesh Dadoda 09/03/2025



#80
1,3,5-Trimethylbenzene
Concen: 2.369 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

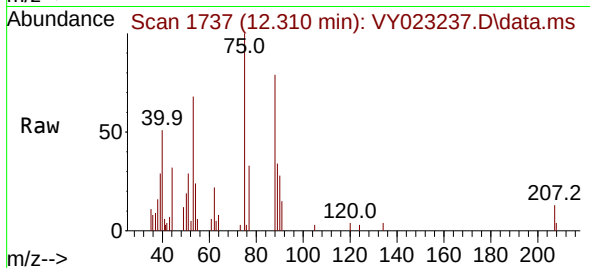
Tgt Ion:105 Resp: 38416
Ion Ratio Lower Upper
105 100
120 49.8 24.8 74.4





#81
trans-1,4-Dichloro-2-butene
Concen: 2.262 ug/l m
RT: 12.310 min Scan# 1737
Delta R.T. 0.012 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

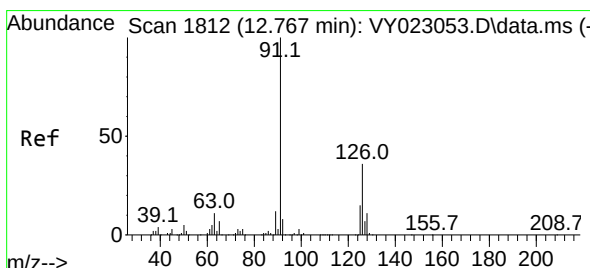
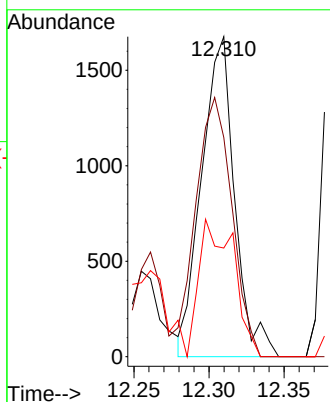
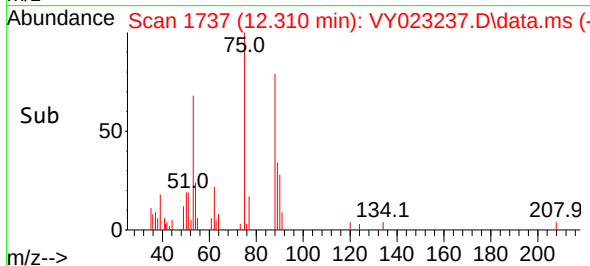
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion: 75 Resp: 2564
Ion Ratio Lower Upper
75 100
53 10.6 70.8 106.2
89 0.0 38.1 57.1

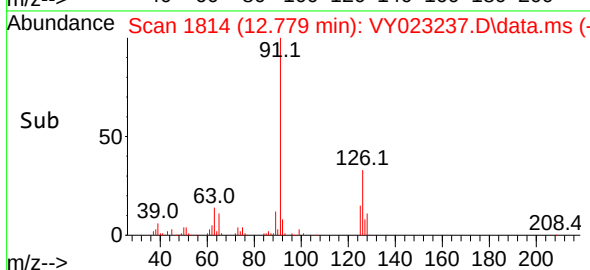
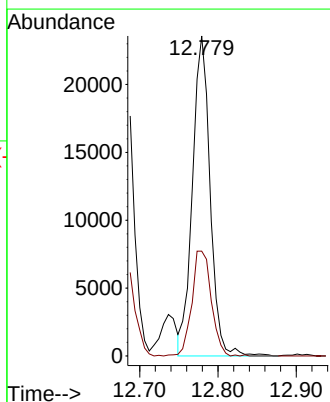
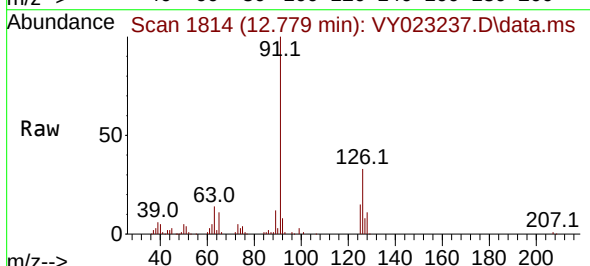
Manual Integrations
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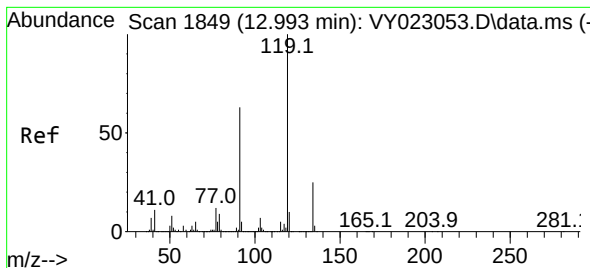
Reviewed By :Semsettin Yesilyurt 09/03/2025
Supervised By :Mahesh Dadoda 09/03/2025



#82
4-Chlorotoluene
Concen: 2.607 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.012 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

Tgt Ion: 91 Resp: 37009
Ion Ratio Lower Upper
91 100
126 36.2 17.3 52.0





#83

tert-Butylbenzene

Concen: 2.352 ug/l

RT: 12.999 min Scan# 1849

Delta R.T. 0.006 min

Lab File: VY023237.D

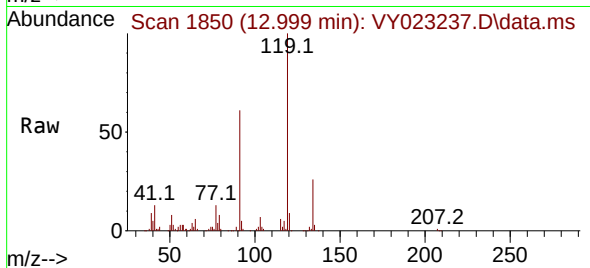
Acq: 29 Aug 2025 11:12

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2025

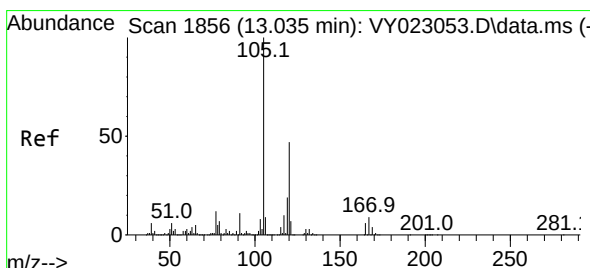
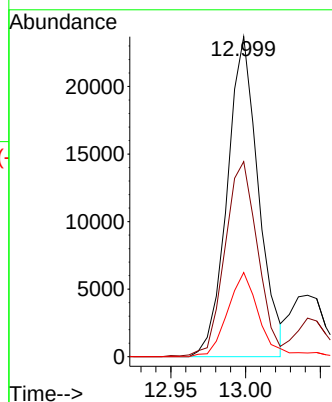


Tgt Ion:	119	Resp:	34450
Ion Ratio	Lower	Upper	
119	100		
91	63.8	31.6	94.8
134	26.9	12.9	38.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/03/2025
Supervised By :Mahesh Dadoda 09/03/2025



#84

1,2,4-Trimethylbenzene

Concen: 2.374 ug/l

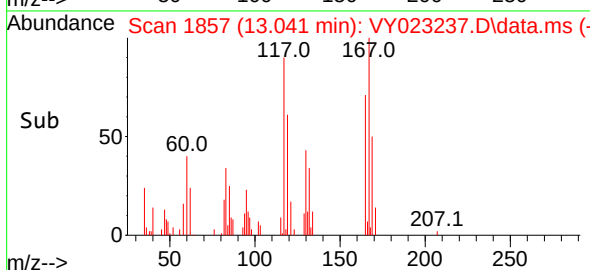
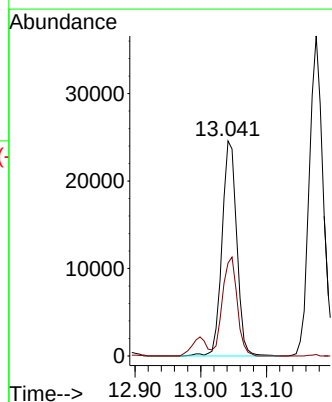
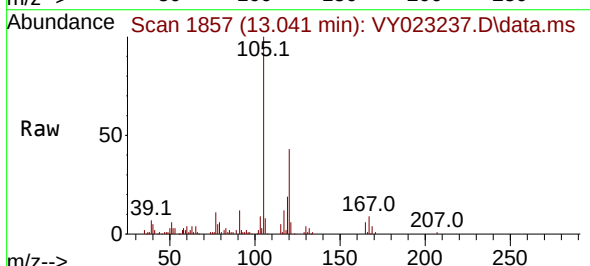
RT: 13.041 min Scan# 1857

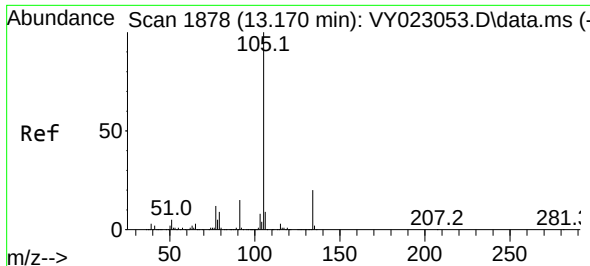
Delta R.T. 0.006 min

Lab File: VY023237.D

Acq: 29 Aug 2025 11:12

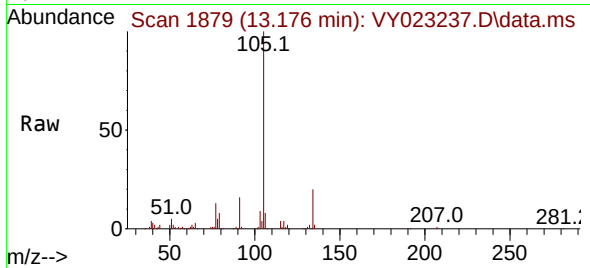
Tgt Ion:	105	Resp:	38320
Ion Ratio	Lower	Upper	
105	100		
120	45.9	23.0	69.0





#85
 sec-Butylbenzene
 Concen: 2.469 ug/l
 RT: 13.176 min Scan# 1878
 Delta R.T. 0.006 min
 Lab File: VY023237.D
 Acq: 29 Aug 2025 11:12

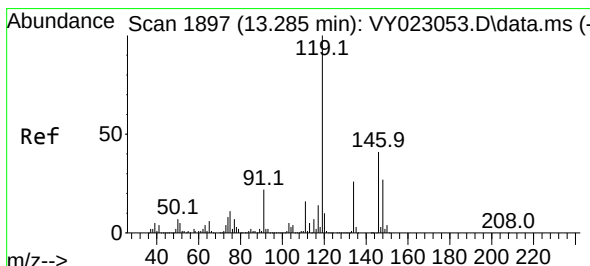
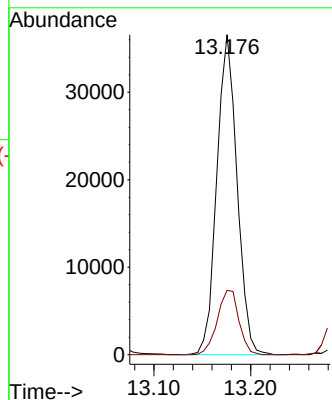
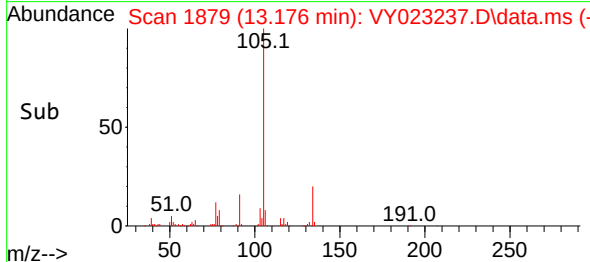
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT3-2025



Tgt Ion:105 Resp: 53110
 Ion Ratio Lower Upper
 105 100
 134 21.4 10.2 30.4

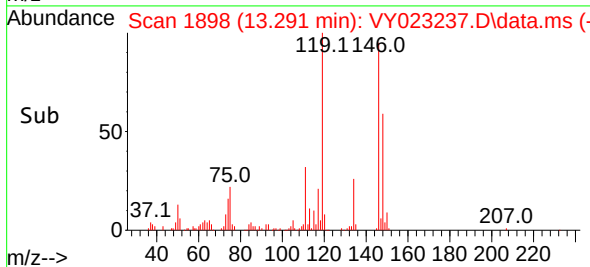
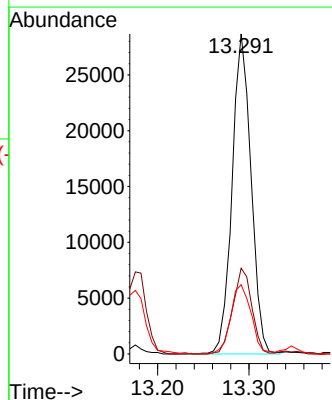
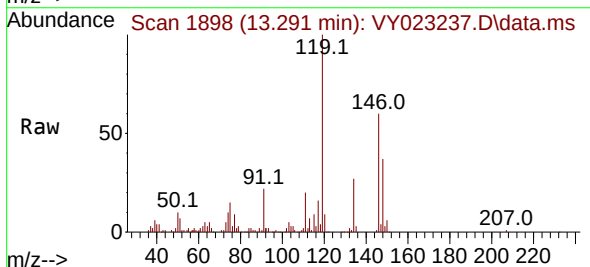
Manual Integrations
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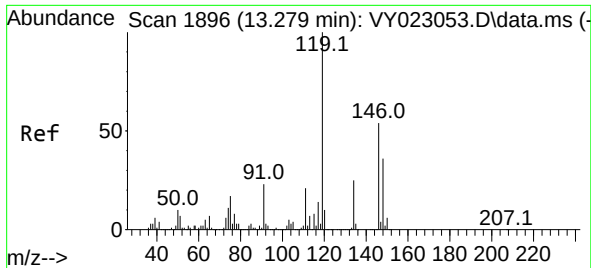
Reviewed By :Semsettin Yesilyurt 09/03/2025
 Supervised By :Mahesh Dadoda 09/03/2025



#86
 p-Isopropyltoluene
 Concen: 2.311 ug/l
 RT: 13.291 min Scan# 1898
 Delta R.T. 0.006 min
 Lab File: VY023237.D
 Acq: 29 Aug 2025 11:12

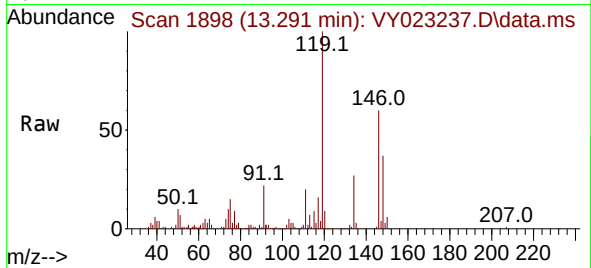
Tgt Ion:119 Resp: 41265
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.2 39.6
 91 23.4 11.3 33.8





#87
1,3-Dichlorobenzene
Concen: 2.975 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.012 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

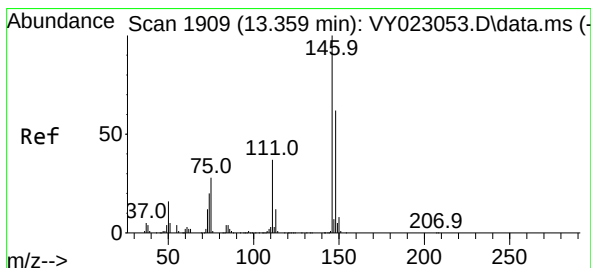
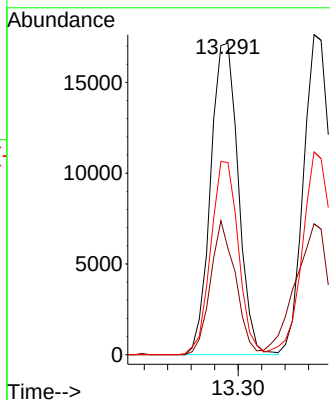
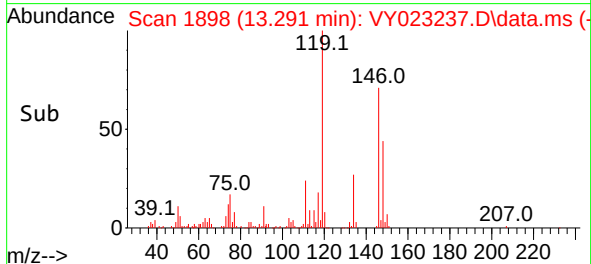
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT3-2025



Tgt Ion:146 Resp: 2808
Ion Ratio Lower Upper
146 100
111 38.8 19.6 58.7
148 61.8 32.5 97.5

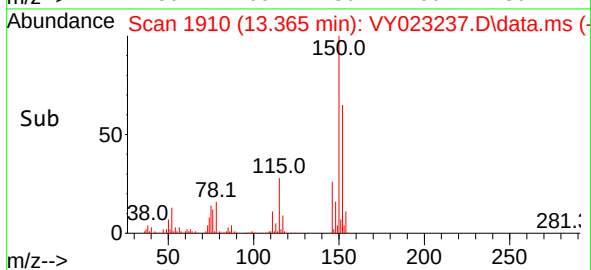
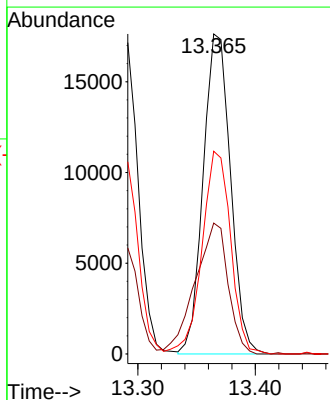
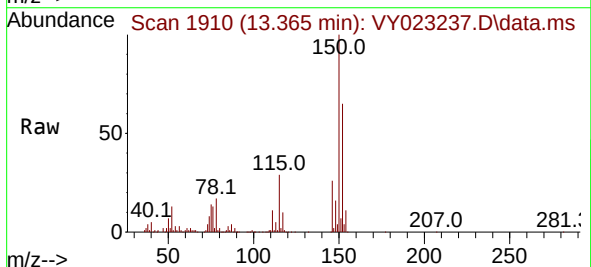
Manual Integrations
APPROVED

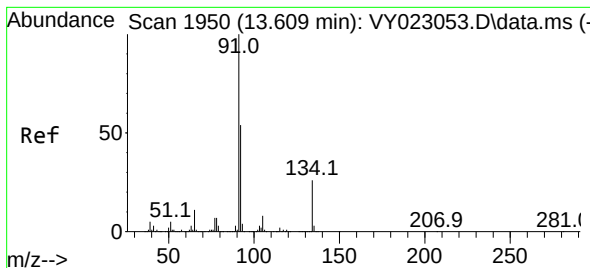
Reviewed By :Semsettin Yesilyurt 09/03/2025
Supervised By :Mahesh Dadoda 09/03/2025



#88
1,4-Dichlorobenzene
Concen: 3.044 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

Tgt Ion:146 Resp: 28502
Ion Ratio Lower Upper
146 100
111 49.6 19.1 57.1
148 66.4 31.6 94.7





#89

n-Butylbenzene

Concen: 2.529 ug/l

RT: 13.621 min Scan# 1950

Delta R.T. 0.012 min

Lab File: VY023237.D

Acq: 29 Aug 2025 11:12

Instrument :

MSVOA_Y

ClientSampleId :

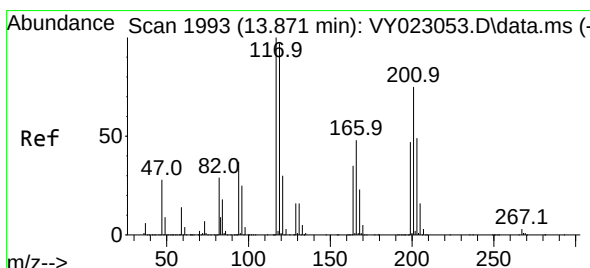
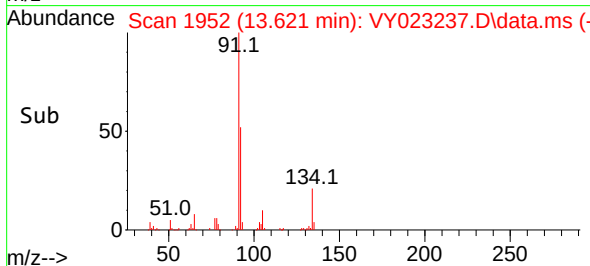
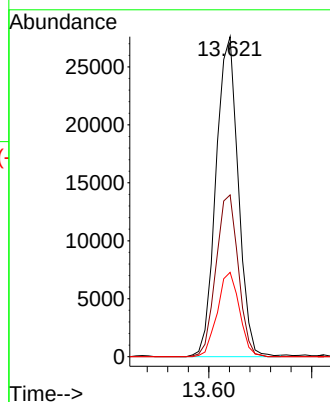
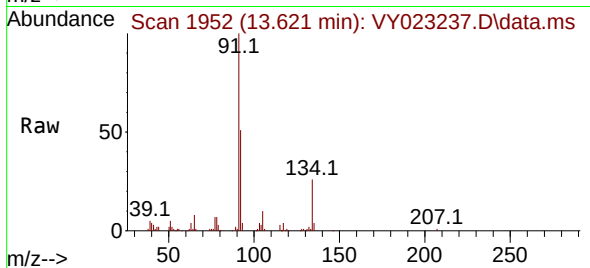
MDL-SOIL-03-QT3-2025

Tgt Ion: 91	Resp: 41480
Ion Ratio	Lower Upper
91	100
92	50.6 26.9 80.7
134	26.2 13.2 39.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/03/2025
Supervised By :Mahesh Dadoda 09/03/2025



#90

Hexachloroethane

Concen: 2.957 ug/l

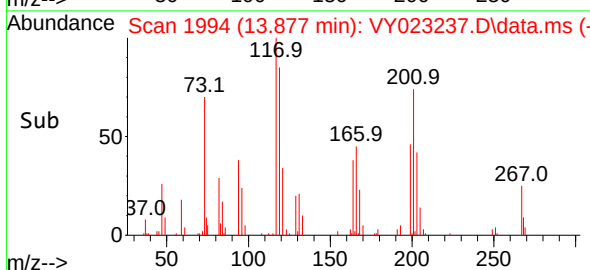
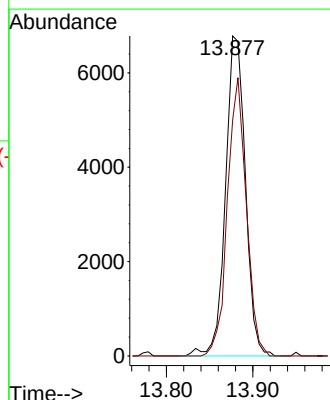
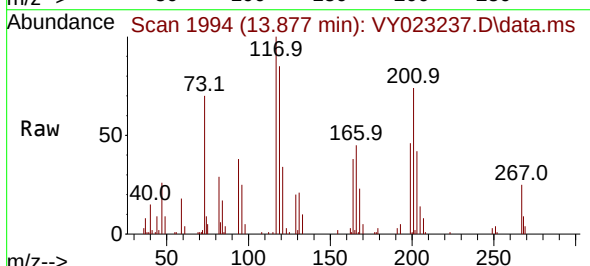
RT: 13.877 min Scan# 1994

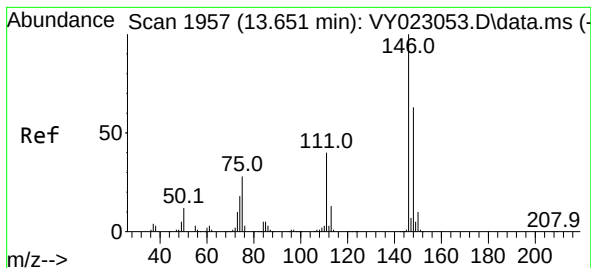
Delta R.T. 0.006 min

Lab File: VY023237.D

Acq: 29 Aug 2025 11:12

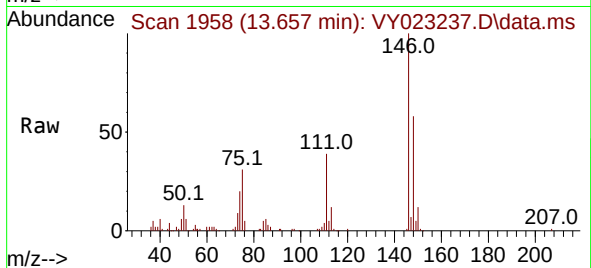
Tgt Ion:117	Resp: 10811
Ion Ratio	Lower Upper
117	100
201	82.5 38.4 115.1





#91
1,2-Dichlorobenzene
Concen: 2.889 ug/l
RT: 13.657 min Scan# 1957
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12

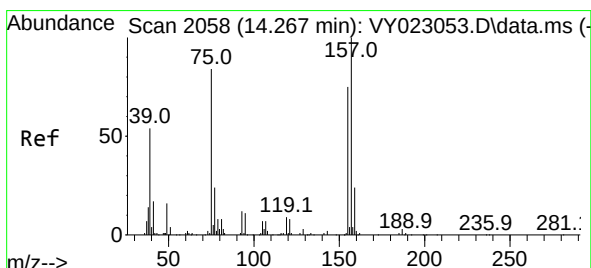
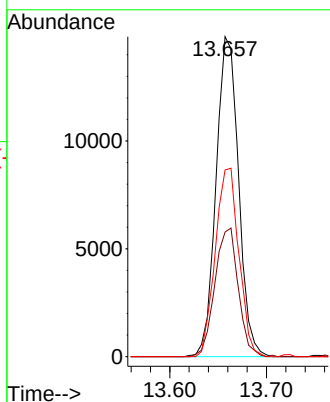
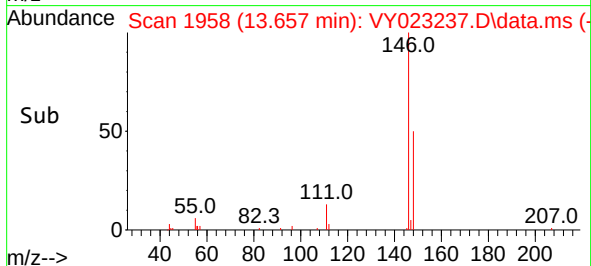
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2025



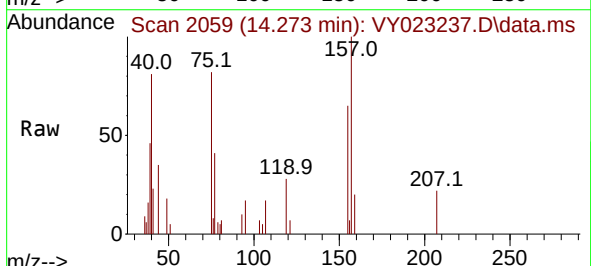
Tgt Ion:146 Resp: 2391
Ion Ratio Lower Upper
146 100
111 41.9 20.3 60.8
148 61.8 32.2 96.6

Manual Integrations
APPROVED

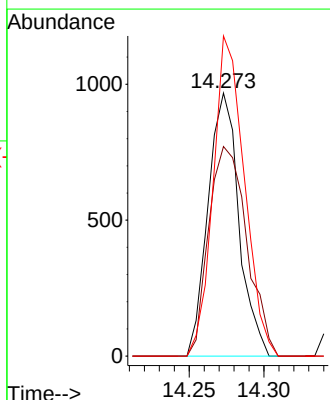
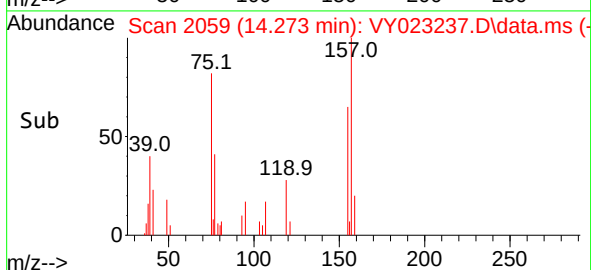
Reviewed By :Semsettin Yesilyurt 09/03/2025
Supervised By :Mahesh Dadoda 09/03/2025

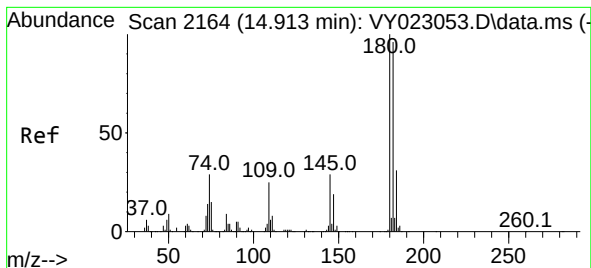


#92
1,2-Dibromo-3-Chloropropane
Concen: 2.602 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.006 min
Lab File: VY023237.D
Acq: 29 Aug 2025 11:12



Tgt Ion: 75 Resp: 1388
Ion Ratio Lower Upper
75 100
155 98.6 43.9 131.6
157 123.2 57.2 171.6





#93

1,2,4-Trichlorobenzene

Concen: 2.891 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.006 min

Lab File: VY023237.D

Acq: 29 Aug 2025 11:12

Instrument :

MSVOA_Y

ClientSampleId :

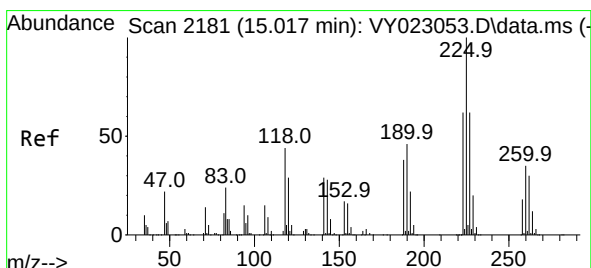
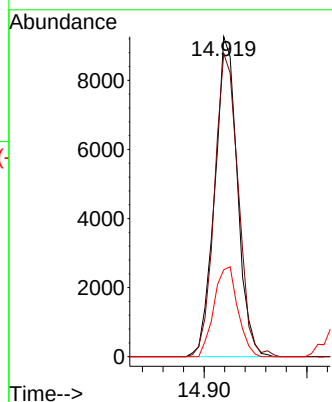
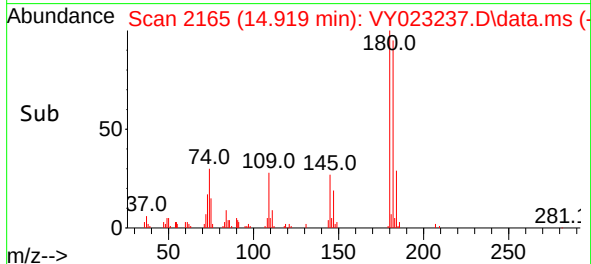
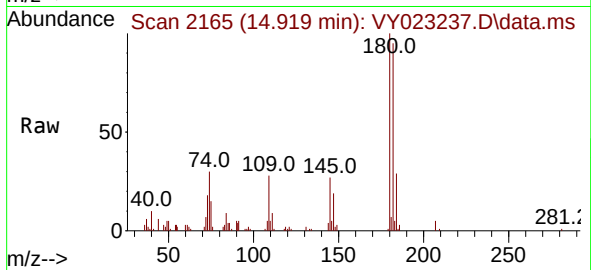
MDL-SOIL-03-QT3-2025

Tgt Ion:180	Resp:	1415
Ion Ratio	Lower	Upper
180	100	
182	99.0	46.8 140.4
145	29.5	14.4 43.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/03/2025
Supervised By :Mahesh Dadoda 09/03/2025



#94

Hexachlorobutadiene

Concen: 3.244 ug/l

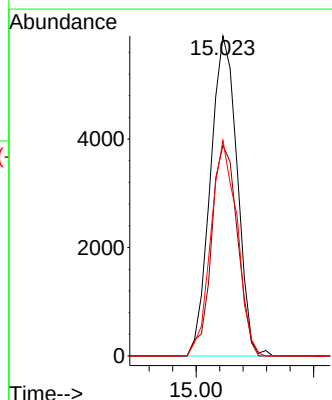
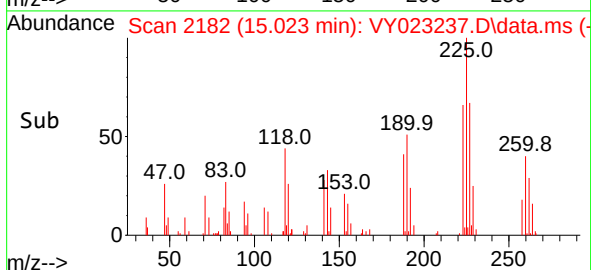
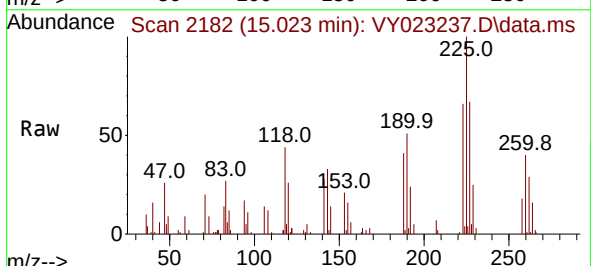
RT: 15.023 min Scan# 2182

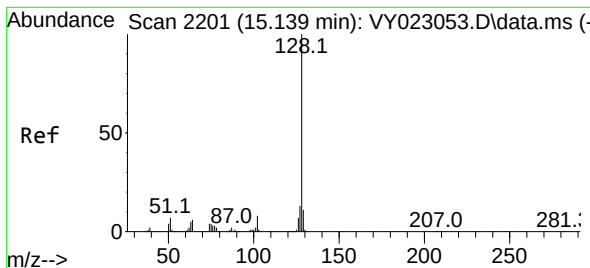
Delta R.T. 0.006 min

Lab File: VY023237.D

Acq: 29 Aug 2025 11:12

Tgt Ion:225	Resp:	9332
Ion Ratio	Lower	Upper
225	100	
223	64.2	31.3 93.8
227	66.0	31.5 94.5





#95

Naphthalene

Concen: 2.452 ug/l

RT: 15.145 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY023237.D

Acq: 29 Aug 2025 11:12

Instrument :

MSVOA_Y

ClientSampleId :

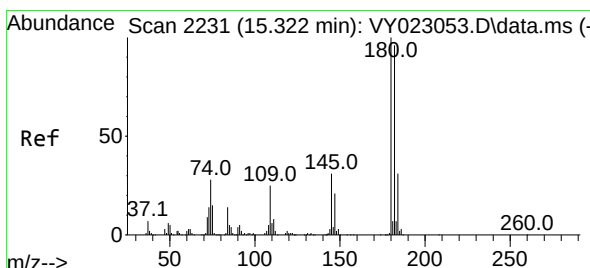
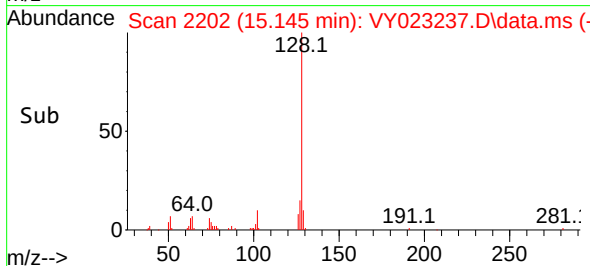
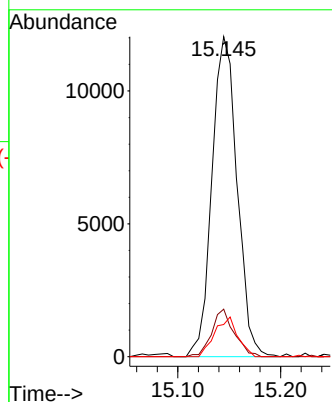
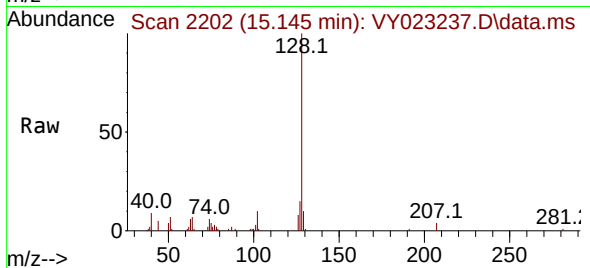
MDL-SOIL-03-QT3-2025

Tgt Ion:128	Resp:	20469
Ion Ratio	Lower	Upper
128	100	
127	13.2	10.4 15.6
129	11.3	9.0 13.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/03/2025
Supervised By :Mahesh Dadoda 09/03/2025



#96

1,2,3-Trichlorobenzene

Concen: 3.085 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. 0.006 min

Lab File: VY023237.D

Acq: 29 Aug 2025 11:12

Tgt Ion:180	Resp:	13015
Ion Ratio	Lower	Upper
180	100	
182	93.9	47.9 143.7
145	30.5	15.9 47.7

