

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
 Data File : VY023674.D
 Acq On : 04 Nov 2025 14:53
 Operator : SY/MD
 Sample : Q3530-02
 Misc : 5.00G/5mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT4-2025

Quant Time: Nov 05 05:09:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 05:07:16 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/06/2025
 Supervised By :Semsettin Yesilyurt 11/06/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	530604	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	827084	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	709567	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	335353	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	246162	54.387	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.780%			
35) Dibromofluoromethane	7.640	113	269671	52.174	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.340%			
50) Toluene-d8	10.109	98	985744	51.197	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.400%			
62) 4-Bromofluorobenzene	12.408	95	306141	49.167	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.340%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	20100	5.771	ug/l	100
3) Chloromethane	2.074	50	28904	5.930	ug/l	99
4) Vinyl Chloride	2.208	62	35167	5.545	ug/l	97
5) Bromomethane	2.604	94	33066	6.198	ug/l	94
6) Chloroethane	2.739	64	24749	5.646	ug/l	96
7) Trichlorofluoromethane	3.062	101	48782	5.461	ug/l	98
8) Diethyl Ether	3.452	74	13075	5.458	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.824	101	26991	5.484	ug/l	99
10) Methyl Iodide	4.013	142	26971	4.641	ug/l	97
11) Tert butyl alcohol	4.866	59	9249	31.691	ug/l #	89
12) 1,1-Dichloroethene	3.793	96	25386	5.355	ug/l	98
13) Acrolein	3.653	56	11217	29.903	ug/l	97
14) Allyl chloride	4.391	41	30104	5.217	ug/l	99
15) Acrylonitrile	5.067	53	25407	27.755	ug/l	96
16) Acetone	3.873	43	31891	28.346	ug/l	95
17) Carbon Disulfide	4.110	76	80708	5.547	ug/l	99
18) Methyl Acetate	4.391	43	12963	5.224	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	56811	5.168	ug/l	99
20) Methylene Chloride	4.622	84	33481	6.165	ug/l	96
21) trans-1,2-Dichloroethene	5.128	96	28664	5.362	ug/l	93
22) Diisopropyl ether	6.025	45	65558	5.099	ug/l #	87
23) Vinyl Acetate	5.970	43	174118	25.376	ug/l	98
24) 1,1-Dichloroethane	5.921	63	46815	5.465	ug/l	98
25) 2-Butanone	6.902	43	34765	26.726	ug/l	90
26) 2,2-Dichloropropane	6.884	77	42275	5.365	ug/l	99
27) cis-1,2-Dichloroethene	6.902	96	31810	5.211	ug/l	98
28) Bromochloromethane	7.250	49	18124	5.526	ug/l	96
29) Tetrahydrofuran	7.274	42	18678	26.962	ug/l	96
30) Chloroform	7.427	83	51648	5.404	ug/l	99
31) Cyclohexane	7.707	56	43773	5.868	ug/l #	74
32) 1,1,1-Trichloroethane	7.616	97	45754	5.356	ug/l	99
36) 1,1-Dichloropropene	7.835	75	33834	4.899	ug/l	96
37) Ethyl Acetate	7.000	43	14201m	5.311	ug/l	
38) Carbon Tetrachloride	7.823	117	42644	5.240	ug/l	98
39) Methylcyclohexane	9.115	83	42546	4.821	ug/l	98
40) Benzene	8.085	78	111697	5.131	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
 Data File : VY023674.D
 Acq On : 04 Nov 2025 14:53
 Operator : SY/MD
 Sample : Q3530-02
 Misc : 5.00G/5mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT4-2025

Quant Time: Nov 05 05:09:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 05:07:16 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/06/2025
 Supervised By :Semsettin Yesilyurt 11/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.244	41	7152m	4.900	ug/l	
42) 1,2-Dichloroethane	8.164	62	29463	5.349	ug/l	100
43) Isopropyl Acetate	8.201	43	26616	5.298	ug/l	99
44) Trichloroethene	8.872	130	32002	5.118	ug/l	100
45) 1,2-Dichloropropane	9.146	63	25015	5.206	ug/l	98
46) Dibromomethane	9.237	93	16052	5.392	ug/l	97
47) Bromodichloromethane	9.426	83	38554	5.136	ug/l	99
48) Methyl methacrylate	9.225	41	11609	4.891	ug/l	96
49) 1,4-Dioxane	9.231	88	2951	96.859	ug/l #	92
51) 4-Methyl-2-Pentanone	9.999	43	62652	23.451	ug/l	99
52) Toluene	10.176	92	70784	5.093	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	30229	4.760	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	36918	4.852	ug/l	95
55) 1,1,2-Trichloroethane	10.573	97	20980	5.273	ug/l	92
56) Ethyl methacrylate	10.444	69	20021	4.567	ug/l	94
57) 1,3-Dichloropropane	10.719	76	32687	5.180	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	42206	20.982	ug/l	99
59) 2-Hexanone	10.762	43	45182	23.180	ug/l	96
60) Dibromochloromethane	10.914	129	27924	5.108	ug/l	100
61) 1,2-Dibromoethane	11.018	107	19999	5.356	ug/l	94
64) Tetrachloroethene	10.652	164	38209	5.174	ug/l	97
65) Chlorobenzene	11.444	112	79912	5.173	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.517	131	28216	5.166	ug/l	97
67) Ethyl Benzene	11.517	91	118648	4.746	ug/l	98
68) m/p-Xylenes	11.627	106	91486	9.159	ug/l	98
69) o-Xylene	11.956	106	42098	4.559	ug/l	97
70) Styrene	11.969	104	66580	4.370	ug/l	99
71) Bromoform	12.133	173	16639	5.216	ug/l #	100
73) Isopropylbenzene	12.255	105	110328	4.919	ug/l	99
74) N-amyl acetate	12.072	43	17636	4.644	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	20083	5.606	ug/l	95
76) 1,2,3-Trichloropropane	12.554	75	16787m	6.185	ug/l	
77) Bromobenzene	12.529	156	31046	5.336	ug/l	95
78) n-propylbenzene	12.597	91	134412	5.095	ug/l	99
79) 2-Chlorotoluene	12.682	91	78615	5.135	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	89448	4.908	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	6144	5.116	ug/l	96
82) 4-Chlorotoluene	12.773	91	83470	5.287	ug/l	98
83) tert-Butylbenzene	12.993	119	81764	4.926	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	85155	4.718	ug/l	100
85) sec-Butylbenzene	13.176	105	116760	4.877	ug/l	98
86) p-Isopropyltoluene	13.292	119	93357	4.607	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	57948	5.061	ug/l	97
88) 1,4-Dichlorobenzene	13.365	146	60108	5.344	ug/l	95
89) n-Butylbenzene	13.615	91	82812	4.699	ug/l	99
90) Hexachloroethane	13.883	117	23023	5.287	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	52913	5.362	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	3267	5.923	ug/l	91
93) 1,2,4-Trichlorobenzene	14.919	180	26269	4.654	ug/l	99
94) Hexachlorobutadiene	15.023	225	18977	5.131	ug/l	95
95) Naphthalene	15.145	128	34860	4.134	ug/l	97
96) 1,2,3-Trichlorobenzene	15.328	180	22842	4.844	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
Data File : VY023674.D
Acq On : 04 Nov 2025 14:53
Operator : SY/MD
Sample : Q3530-02
Misc : 5.00G/5mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2025

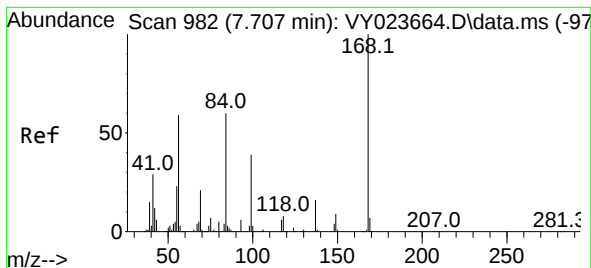
Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025

Quant Time: Nov 05 05:09:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 05 05:07:16 2025
Response via : Initial Calibration

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

(#) = 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

Lab File: VY023674.D

Acq: 04 Nov 2025 14:53

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2025

Tgt Ion:168 Resp: 530604

Ion Ratio Lower Upper

168 100

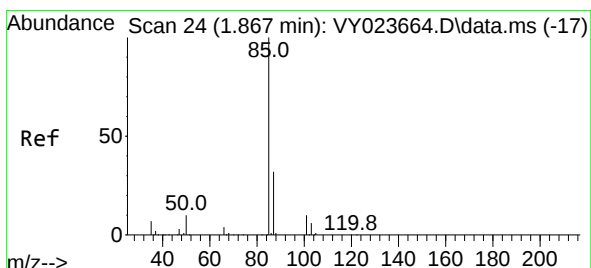
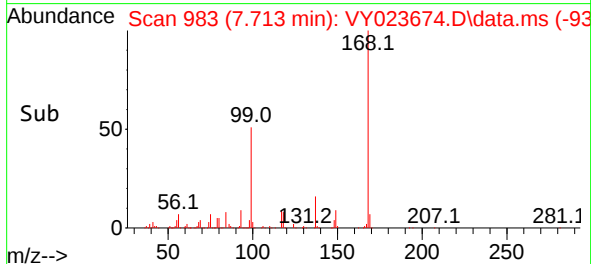
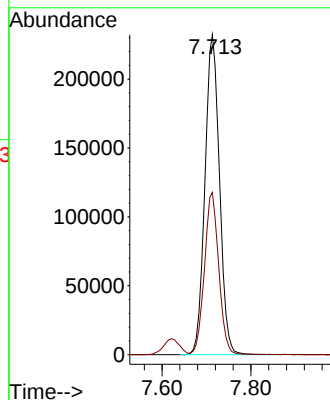
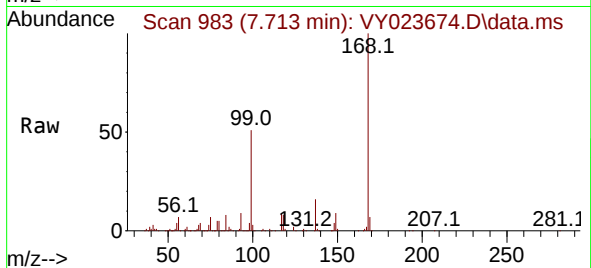
99 50.7 41.0 61.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/06/2025

Supervised By :Semsettin Yesilyurt 11/06/2025



#2

Dichlorodifluoromethane

Concen: 5.771 ug/l

RT: 1.867 min Scan# 24

Delta R.T. -0.000 min

Lab File: VY023674.D

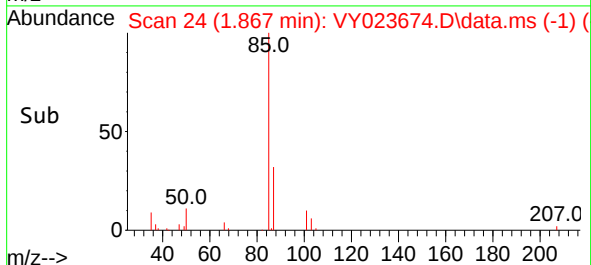
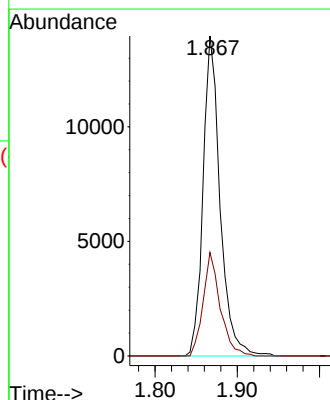
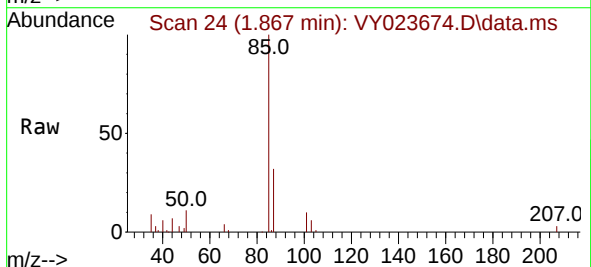
Acq: 04 Nov 2025 14:53

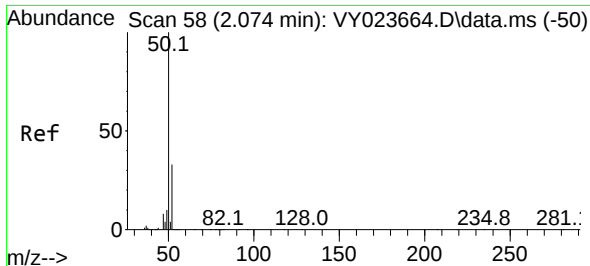
Tgt Ion: 85 Resp: 20100

Ion Ratio Lower Upper

85 100

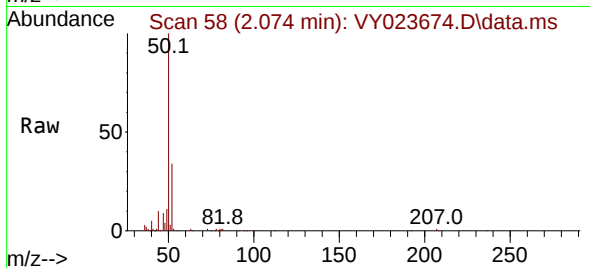
87 32.4 16.2 48.6





#3
Chloromethane
Concen: 5.930 ug/l
RT: 2.074 min Scan# 58
Delta R.T. -0.000 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53

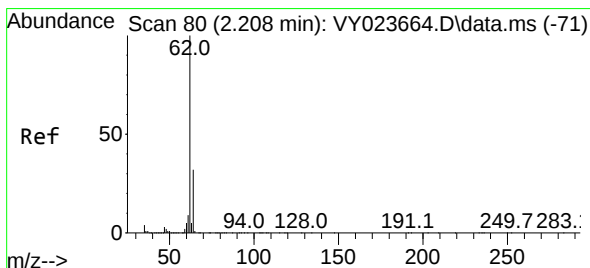
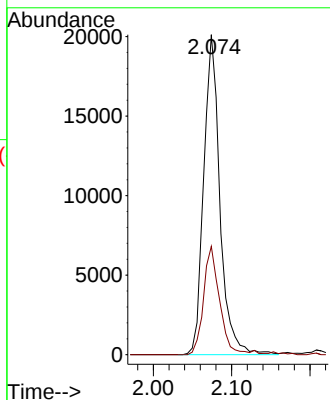
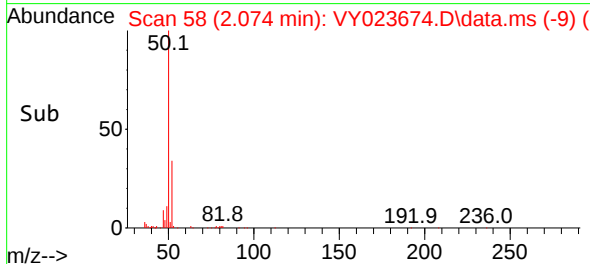
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2025



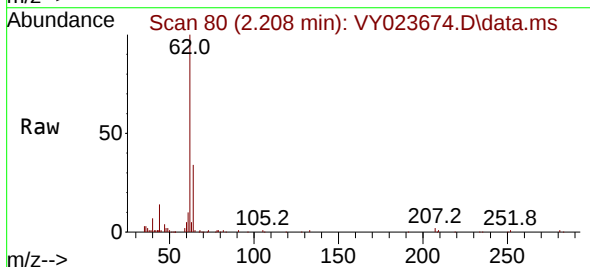
Tgt Ion: 50 Resp: 28904
Ion Ratio Lower Upper
50 100
52 33.9 26.5 39.7

Manual Integrations
APPROVED

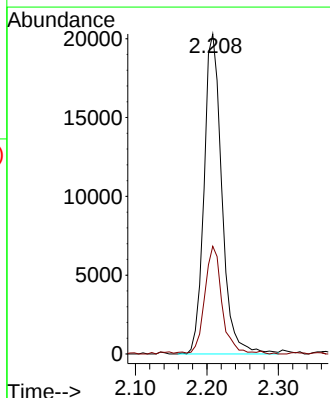
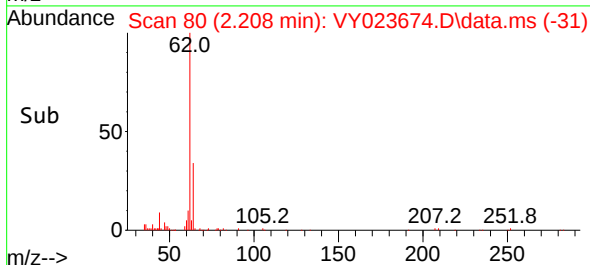
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025

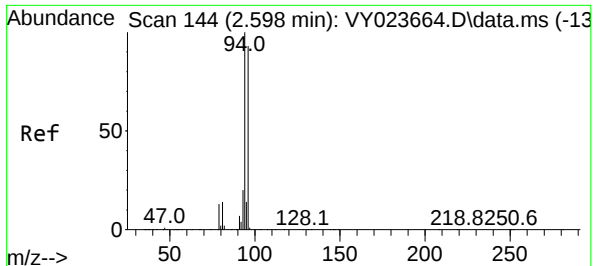


#4
Vinyl Chloride
Concen: 5.545 ug/l
RT: 2.208 min Scan# 80
Delta R.T. -0.000 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53



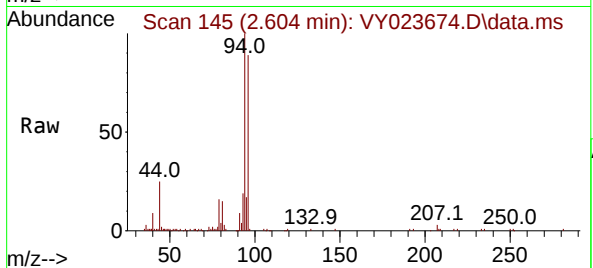
Tgt Ion: 62 Resp: 35167
Ion Ratio Lower Upper
62 100
64 33.6 25.7 38.5





#5
Bromomethane
Concen: 6.198 ug/l
RT: 2.604 min Scan# 144
Delta R.T. 0.006 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53

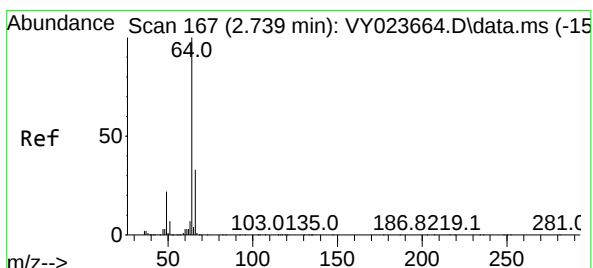
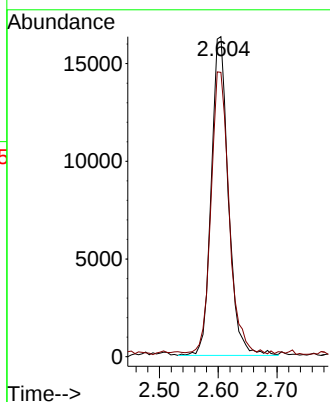
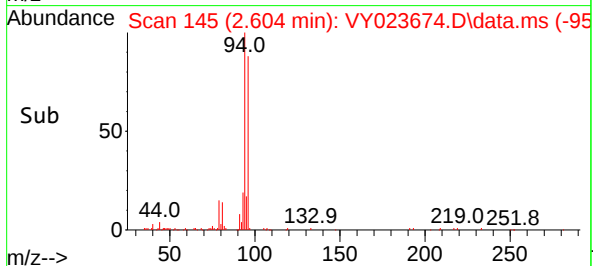
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2025



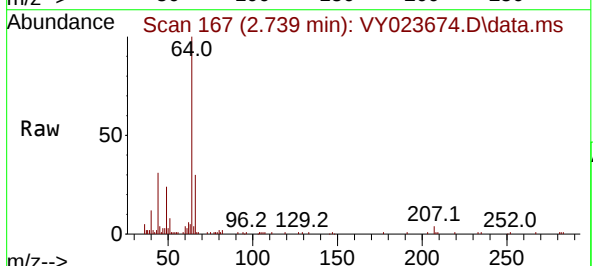
Tgt Ion: 94 Resp: 33060
Ion Ratio Lower Upper
94 100
96 87.7 74.4 111.6

Manual Integrations
APPROVED

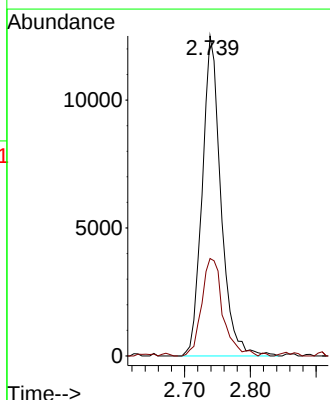
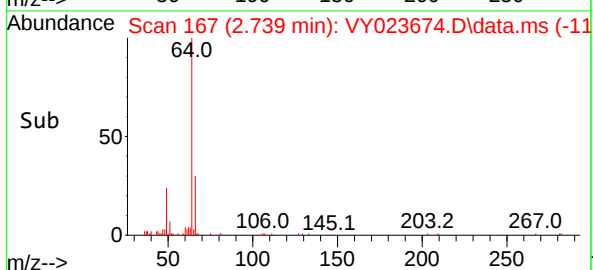
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025

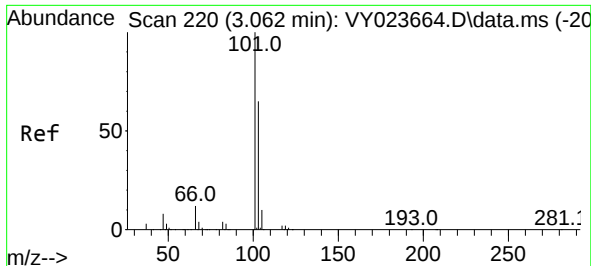


#6
Chloroethane
Concen: 5.646 ug/l
RT: 2.739 min Scan# 167
Delta R.T. -0.000 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53



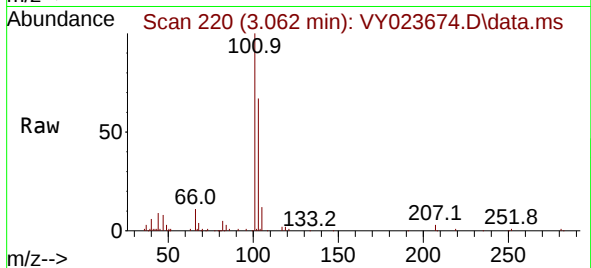
Tgt Ion: 64 Resp: 24749
Ion Ratio Lower Upper
64 100
66 30.4 26.2 39.4





#7
 Trichlorofluoromethane
 Concen: 5.461 ug/l
 RT: 3.062 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VY023674.D
 Acq: 04 Nov 2025 14:53

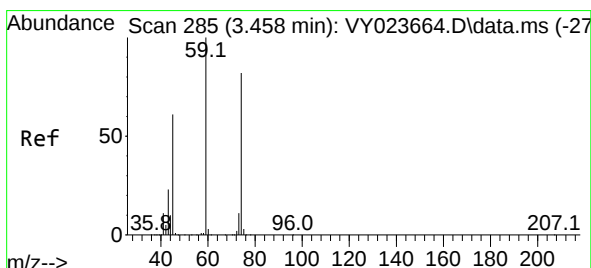
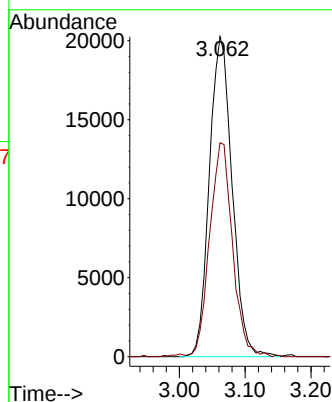
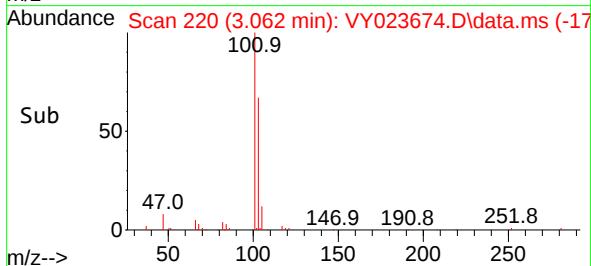
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT4-2025



Tgt Ion:101 Resp: 4878
 Ion Ratio Lower Upper
 101 100
 103 66.5 52.1 78.1

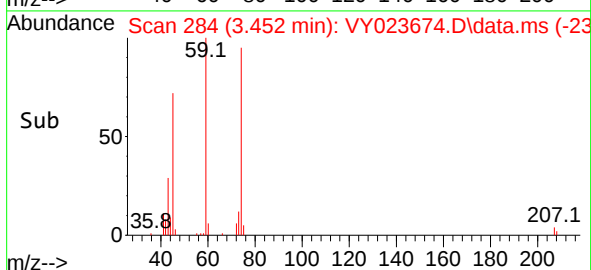
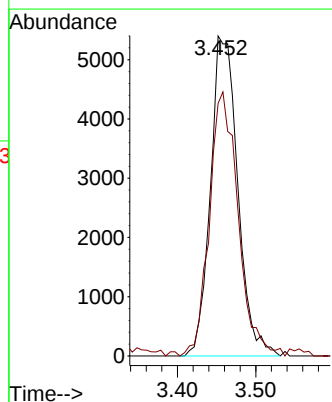
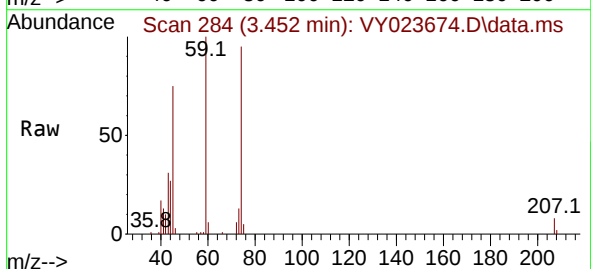
Manual Integrations
 APPROVED

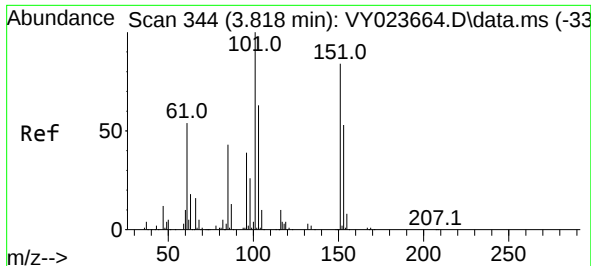
Reviewed By :Amit Patel 11/06/2025
 Supervised By :Semsettin Yesilyurt 11/06/2025



#8
 Diethyl Ether
 Concen: 5.458 ug/l
 RT: 3.452 min Scan# 284
 Delta R.T. -0.006 min
 Lab File: VY023674.D
 Acq: 04 Nov 2025 14:53

Tgt Ion: 74 Resp: 13075
 Ion Ratio Lower Upper
 74 100
 45 86.6 40.6 121.7





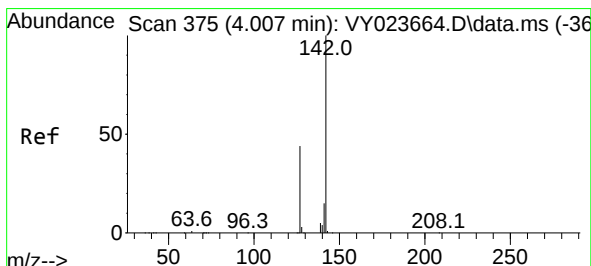
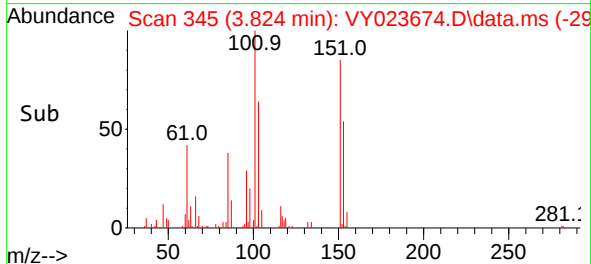
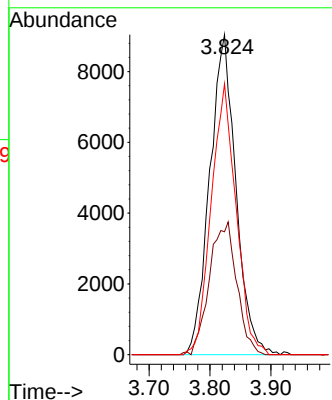
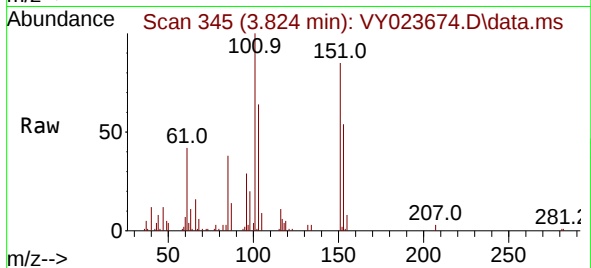
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.484 ug/l
RT: 3.824 min Scan# 344
Delta R.T. 0.006 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2025

Tgt Ion:101 Resp: 26991
Ion Ratio Lower Upper
101 100
85 43.4 34.4 51.6
151 80.5 65.6 98.4

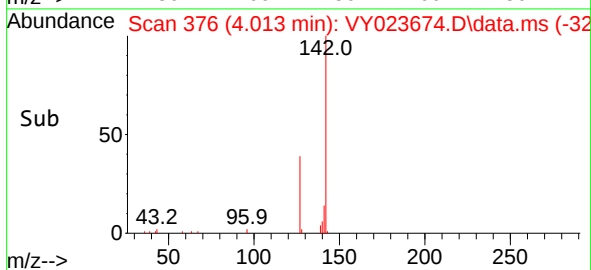
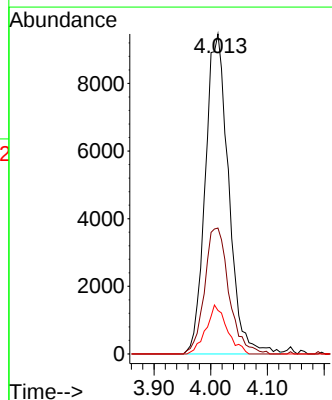
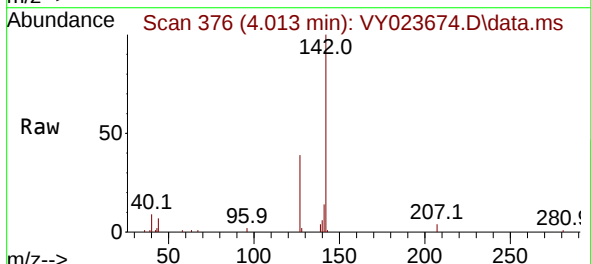
Manual Integrations
APPROVED

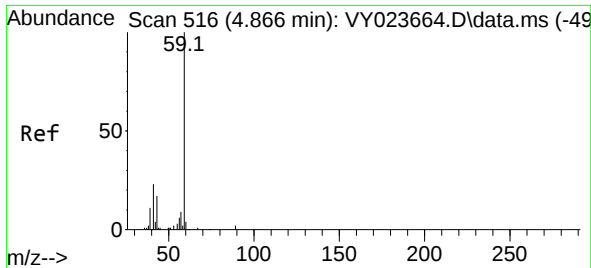
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#10
Methyl Iodide
Concen: 4.641 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.006 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53

Tgt Ion:142 Resp: 26971
Ion Ratio Lower Upper
142 100
127 41.3 34.6 51.8
141 13.9 11.6 17.4





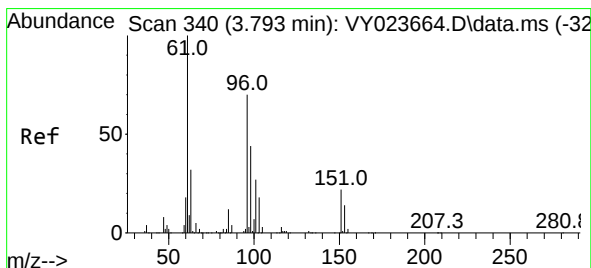
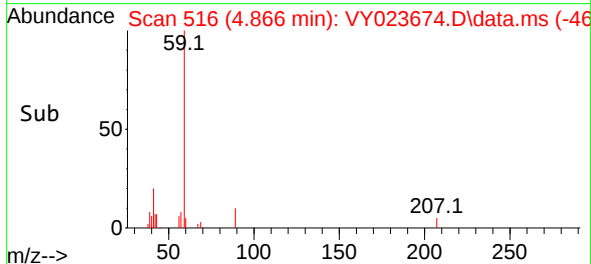
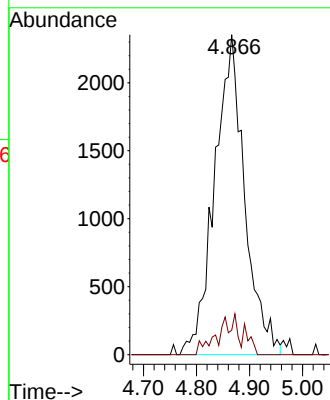
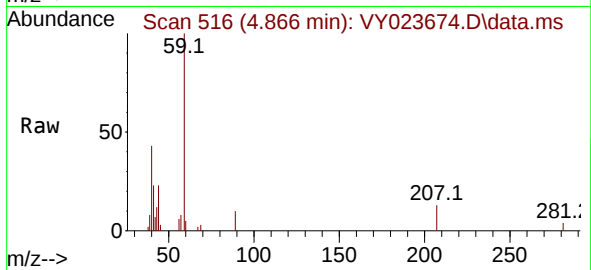
#11
Tert butyl alcohol
Concen: 31.691 ug/l
RT: 4.866 min Scan# 516
Delta R.T. -0.000 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53

Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT4-2025

Tgt Ion: 59 Resp: 9249
Ion Ratio Lower Upper
59 100
57 5.2 7.4 11.2

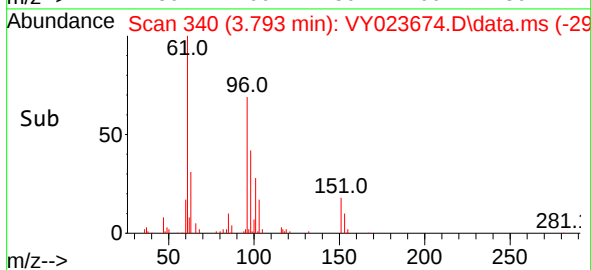
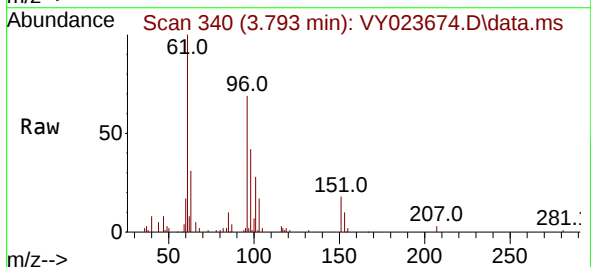
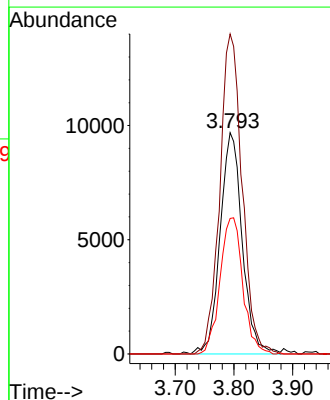
Manual Integrations
APPROVED

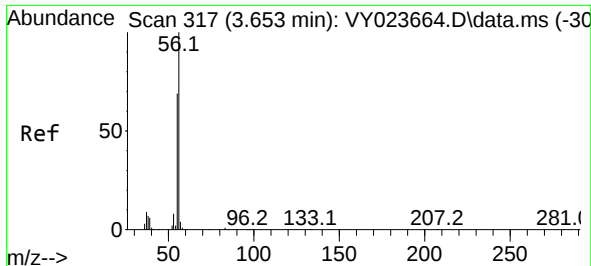
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#12
1,1-Dichloroethene
Concen: 5.355 ug/l
RT: 3.793 min Scan# 340
Delta R.T. -0.000 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53

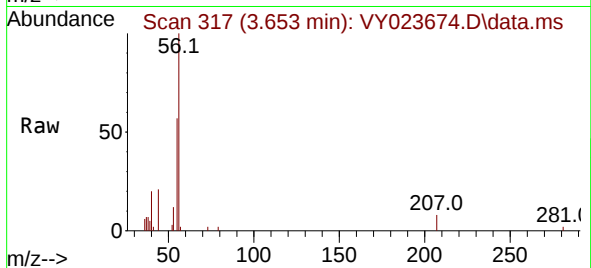
Tgt Ion: 96 Resp: 25386
Ion Ratio Lower Upper
96 100
61 144.6 114.0 171.0
98 61.3 50.2 75.2





#13
Acrolein
Concen: 29.903 ug/l
RT: 3.653 min Scan# 317
Delta R.T. -0.000 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53

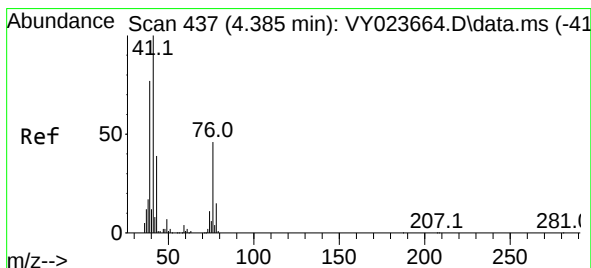
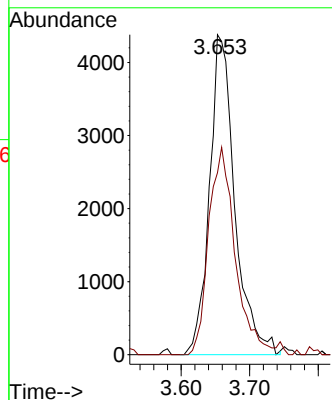
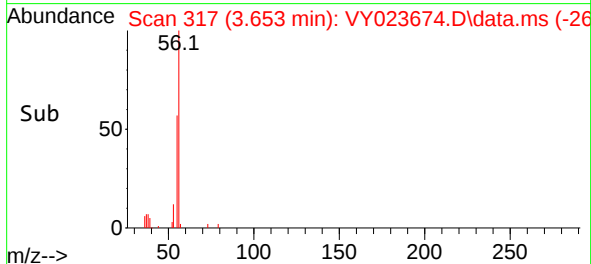
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2025



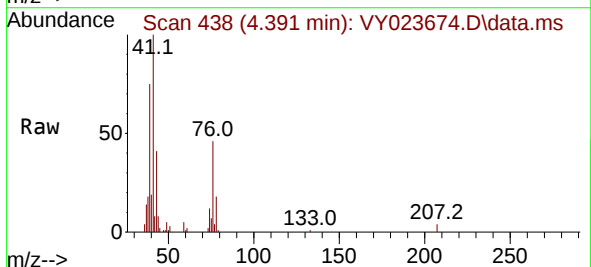
Tgt Ion: 56 Resp: 1121
Ion Ratio Lower Upper
56 100
55 67.9 56.6 84.8

Manual Integrations
APPROVED

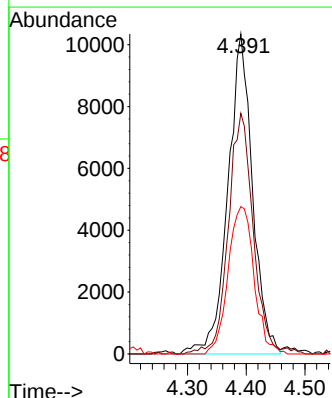
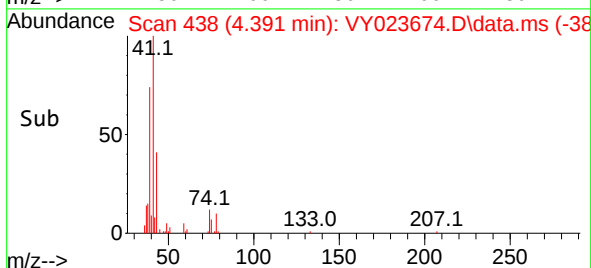
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025

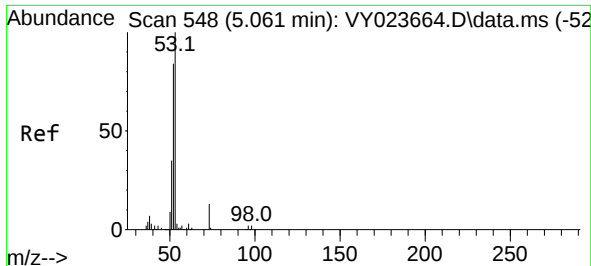


#14
Allyl chloride
Concen: 5.217 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53



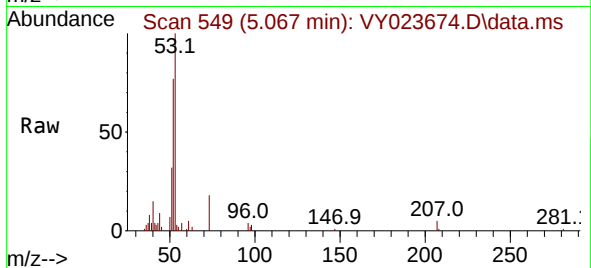
Tgt Ion: 41 Resp: 30104
Ion Ratio Lower Upper
41 100
39 76.4 60.4 90.6
76 48.7 38.0 57.0





#15
Acrylonitrile
Concen: 27.755 ug/l
RT: 5.067 min Scan# 548
Delta R.T. 0.006 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53

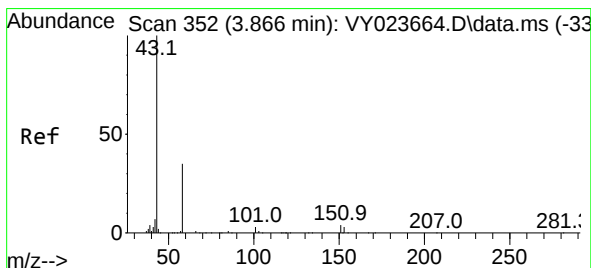
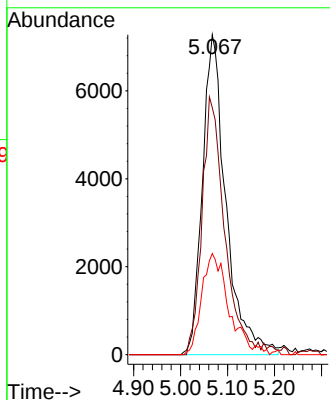
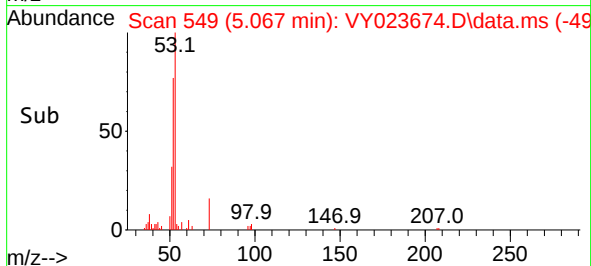
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2025



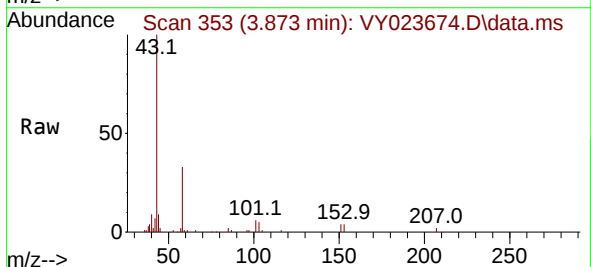
Tgt Ion: 53 Resp: 2540
Ion Ratio Lower Upper
53 100
52 76.7 64.9 97.3
51 35.4 29.4 44.0

Manual Integrations
APPROVED

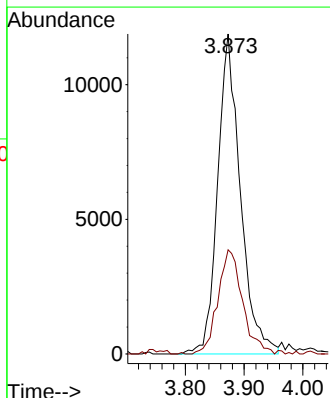
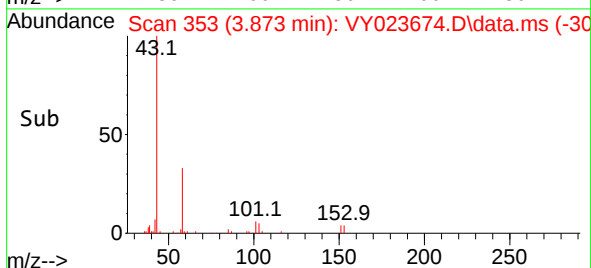
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025

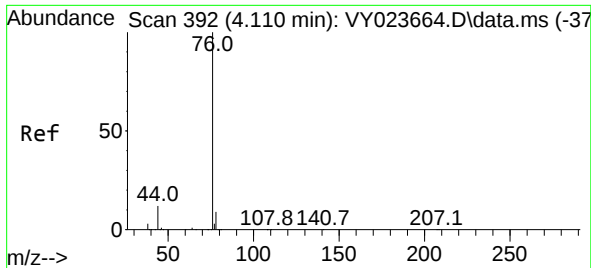


#16
Acetone
Concen: 28.346 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53



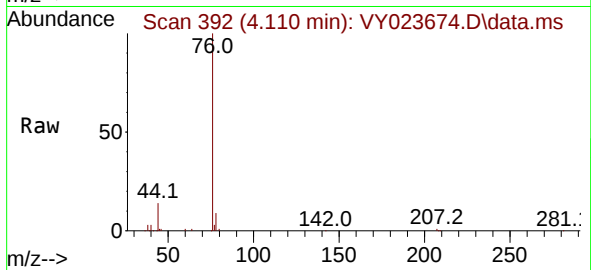
Tgt Ion: 43 Resp: 31891
Ion Ratio Lower Upper
43 100
58 32.6 28.2 42.4





#17
Carbon Disulfide
Concen: 5.547 ug/l
RT: 4.110 min Scan# 392
Delta R.T. -0.000 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53

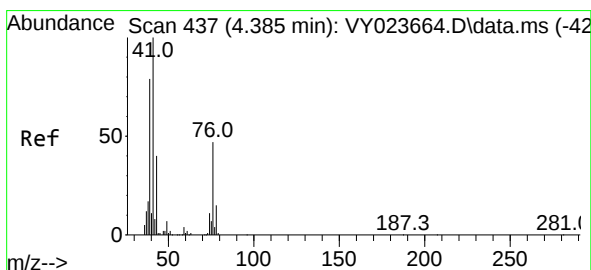
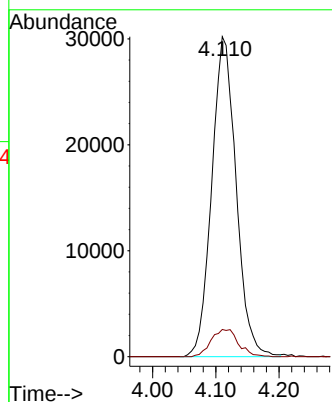
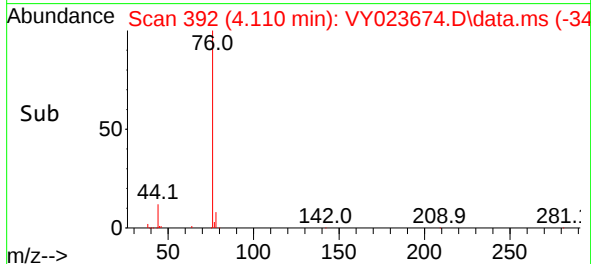
Instrument : MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2025



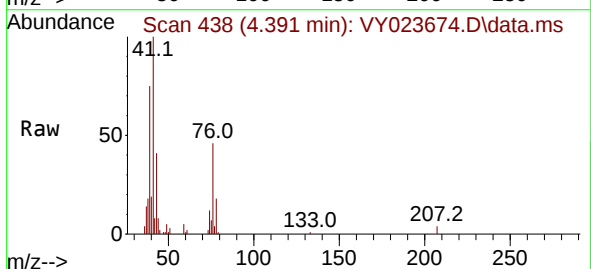
Tgt Ion: 76 Resp: 80708
Ion Ratio Lower Upper
76 100
78 8.5 7.1 10.7

Manual Integrations
APPROVED

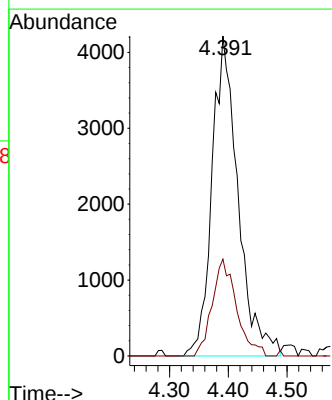
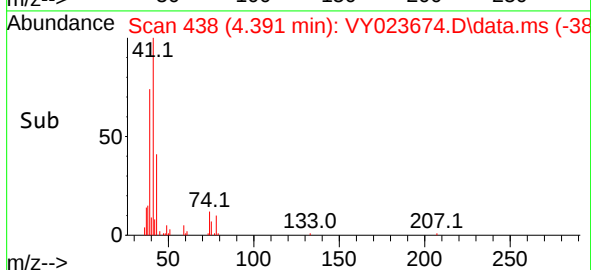
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#18
Methyl Acetate
Concen: 5.224 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53



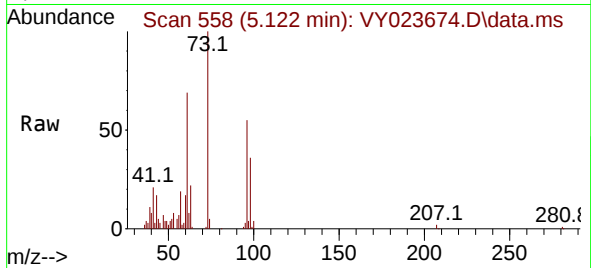
Tgt Ion: 43 Resp: 12963
Ion Ratio Lower Upper
43 100
74 28.3 22.5 33.7





#19
Methyl tert-butyl Ether
Concen: 5.168 ug/l
RT: 5.122 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53

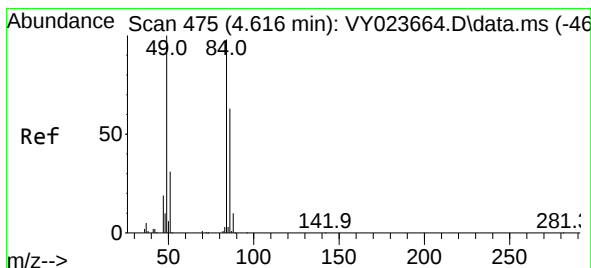
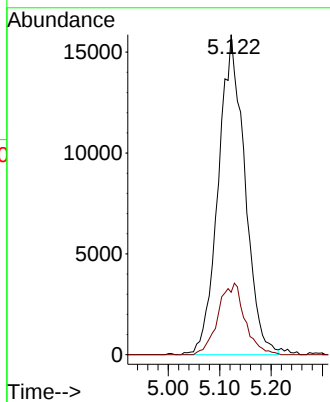
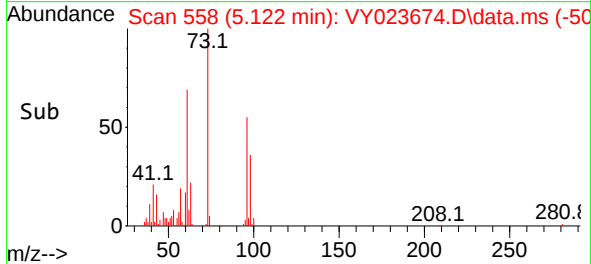
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2025



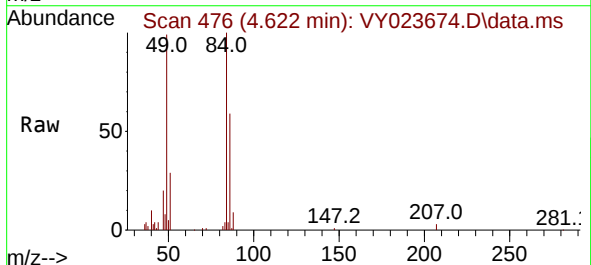
Tgt Ion: 73 Resp: 5681
Ion Ratio Lower Upper
73 100
57 19.5 16.1 24.1

Manual Integrations
APPROVED

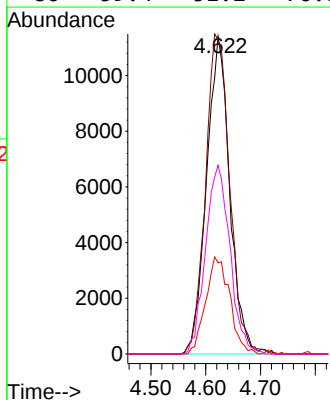
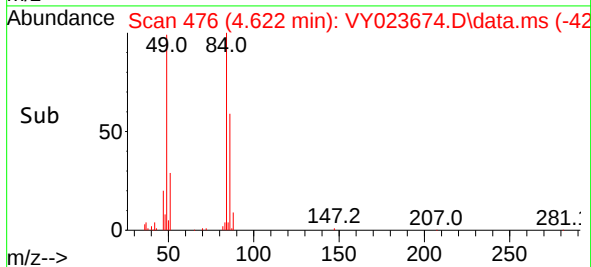
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025

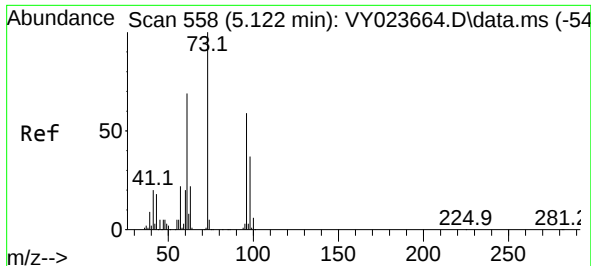


#20
Methylene Chloride
Concen: 6.165 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53



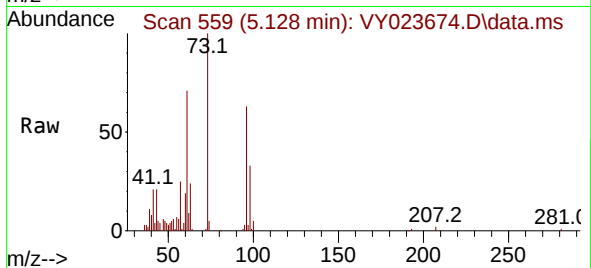
Tgt Ion: 84 Resp: 33481
Ion Ratio Lower Upper
84 100
49 99.0 81.5 122.3
51 28.7 25.5 38.3
86 59.4 51.2 76.8





#21
trans-1,2-Dichloroethene
Concen: 5.362 ug/l
RT: 5.128 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53

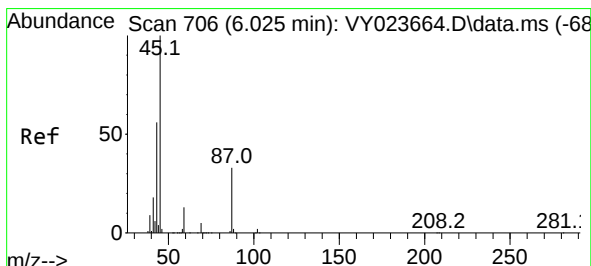
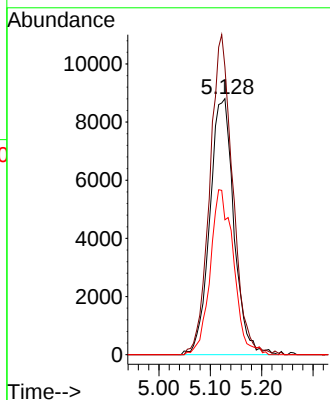
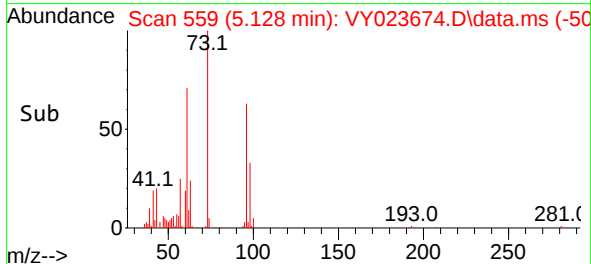
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2025



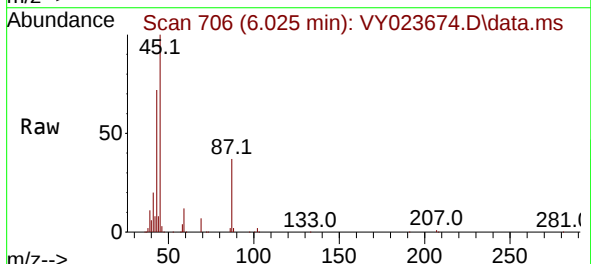
Tgt Ion: 96 Resp: 28664
Ion Ratio Lower Upper
96 100
61 112.3 93.3 139.9
98 52.7 50.6 75.8

Manual Integrations
APPROVED

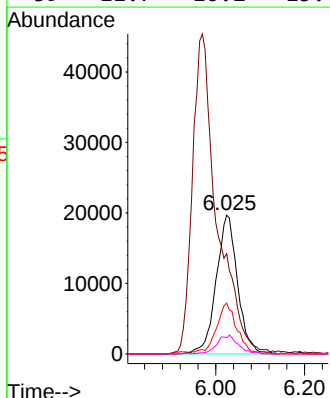
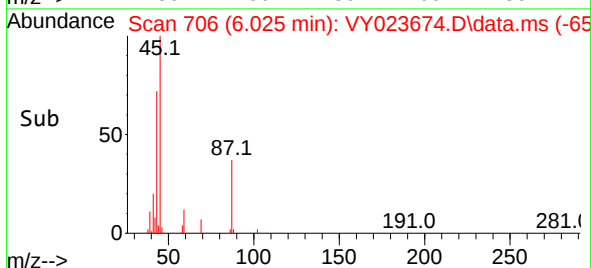
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025

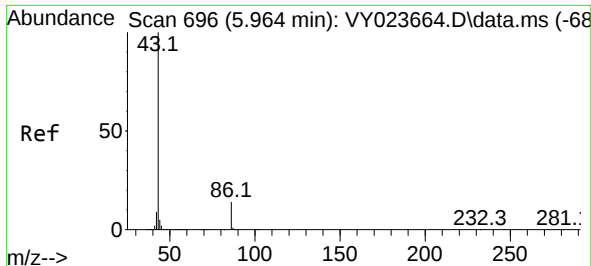


#22
Diisopropyl ether
Concen: 5.099 ug/l
RT: 6.025 min Scan# 706
Delta R.T. -0.000 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53



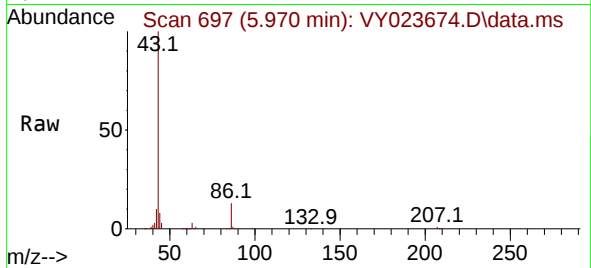
Tgt Ion: 45 Resp: 65558
Ion Ratio Lower Upper
45 100
43 70.3 44.7 67.1#
87 36.7 27.2 40.8
59 11.7 10.2 15.4





#23
 Vinyl Acetate
 Concen: 25.376 ug/l
 RT: 5.970 min Scan# 696
 Delta R.T. 0.006 min
 Lab File: VY023674.D
 Acq: 04 Nov 2025 14:53

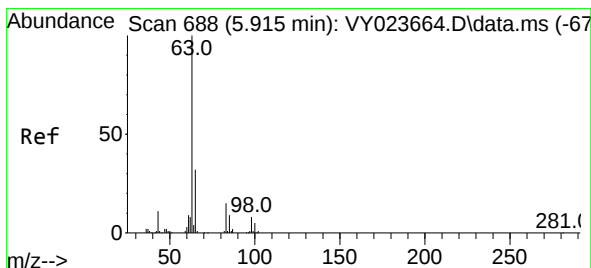
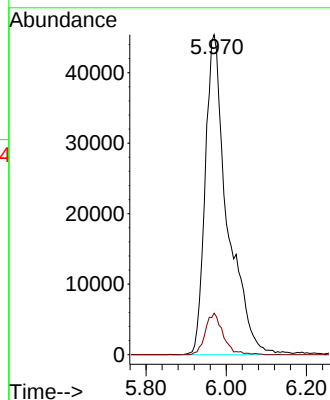
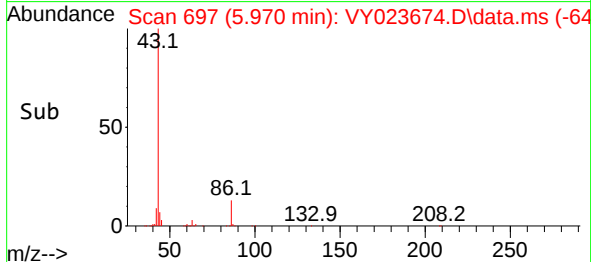
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT4-2025



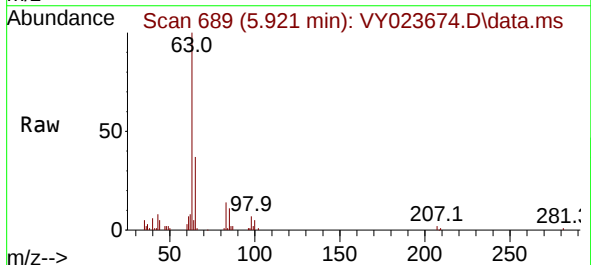
Tgt Ion: 43 Resp: 174118
 Ion Ratio Lower Upper
 43 100
 86 13.0 10.9 16.3

Manual Integrations
 APPROVED

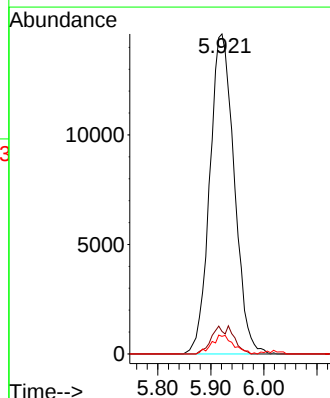
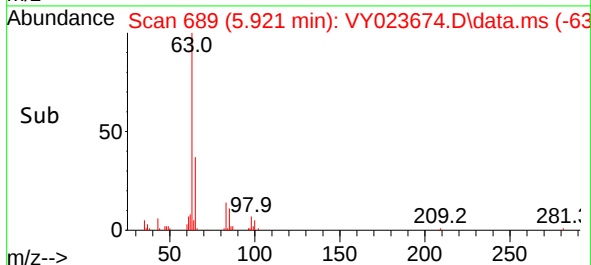
Reviewed By :Amit Patel 11/06/2025
 Supervised By :Semsettin Yesilyurt 11/06/2025

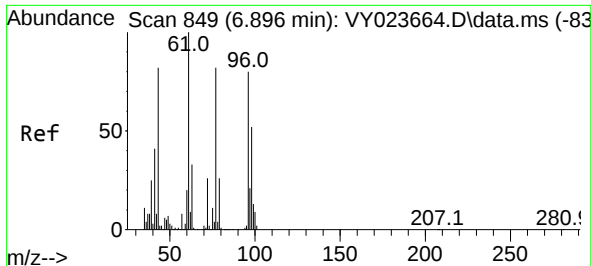


#24
 1,1-Dichloroethane
 Concen: 5.465 ug/l
 RT: 5.921 min Scan# 689
 Delta R.T. 0.006 min
 Lab File: VY023674.D
 Acq: 04 Nov 2025 14:53



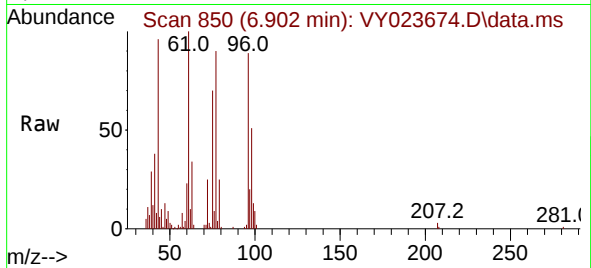
Tgt Ion: 63 Resp: 46815
 Ion Ratio Lower Upper
 63 100
 98 7.0 4.0 11.9
 100 5.5 2.6 7.8





#25
2-Butanone
Concen: 26.726 ug/l
RT: 6.902 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53

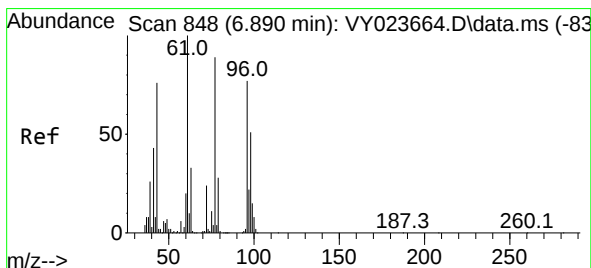
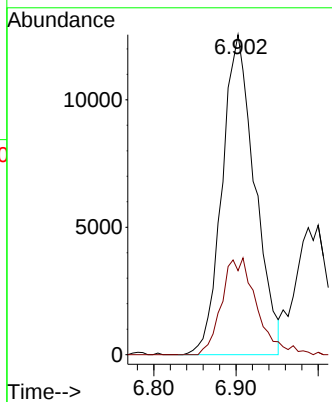
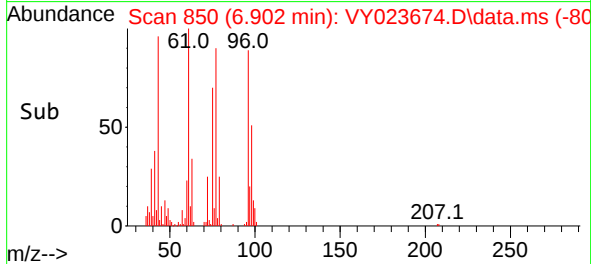
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2025



Tgt Ion: 43 Resp: 3476
Ion Ratio Lower Upper
43 100
72 26.3 25.7 38.5

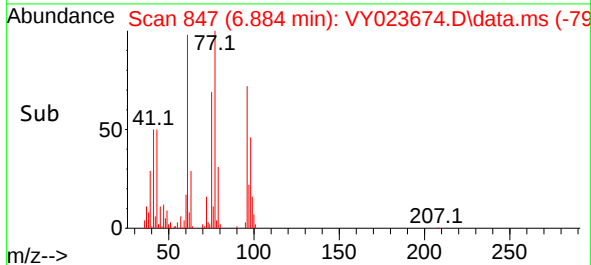
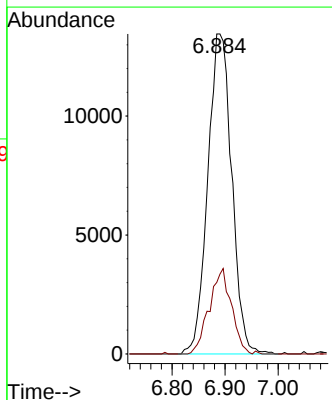
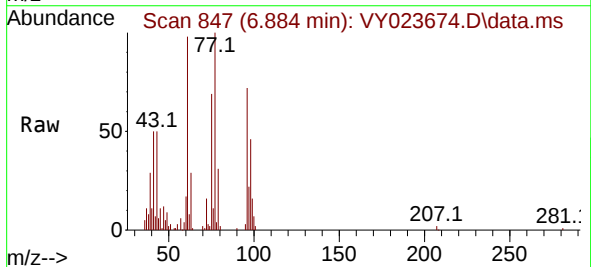
Manual Integrations
APPROVED

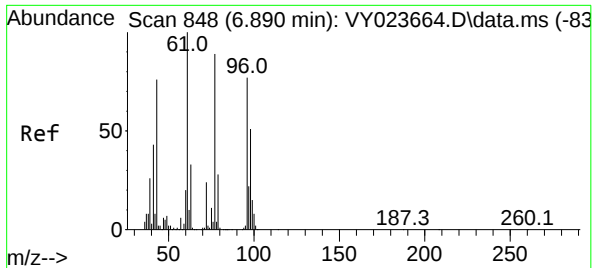
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#26
2,2-Dichloropropane
Concen: 5.365 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53

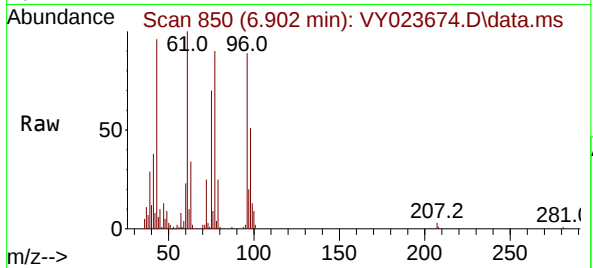
Tgt Ion: 77 Resp: 42275
Ion Ratio Lower Upper
77 100
97 24.7 12.0 36.1





#27
cis-1,2-Dichloroethene
Concen: 5.211 ug/l
RT: 6.902 min Scan# 848
Delta R.T. 0.012 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53

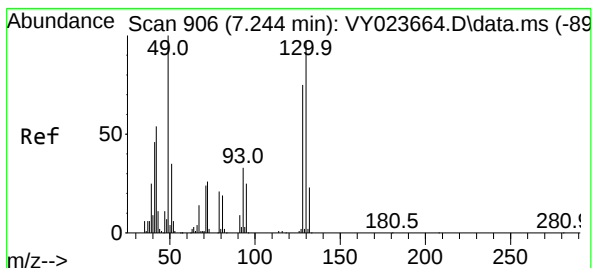
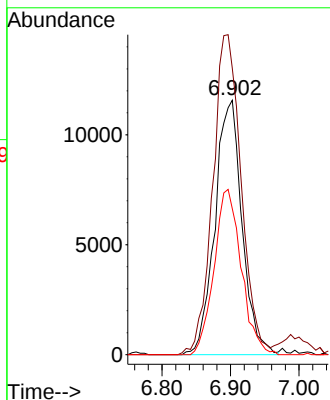
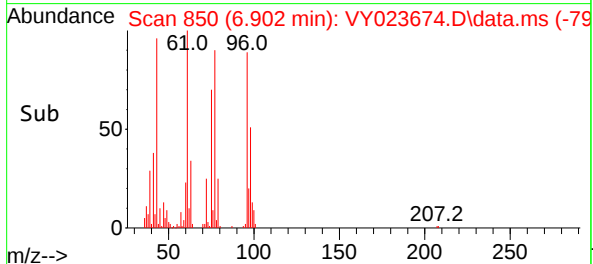
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2025



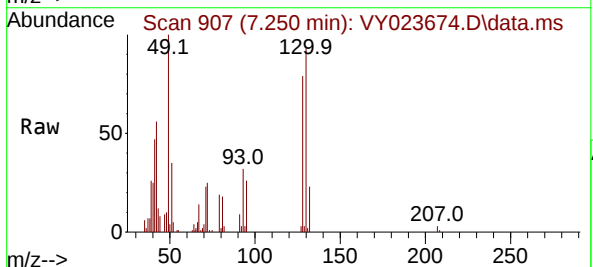
Tgt Ion: 96 Resp: 31810
Ion Ratio Lower Upper
96 100
61 131.3 0.0 255.0
98 65.1 0.0 129.8

Manual Integrations
APPROVED

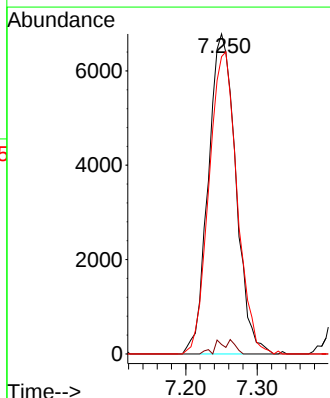
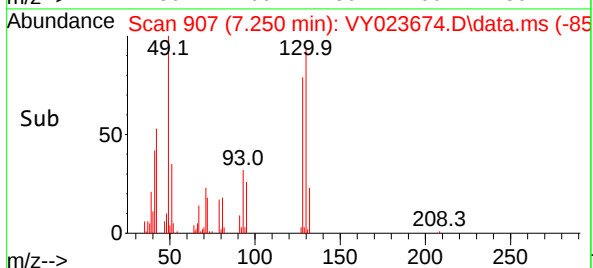
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025

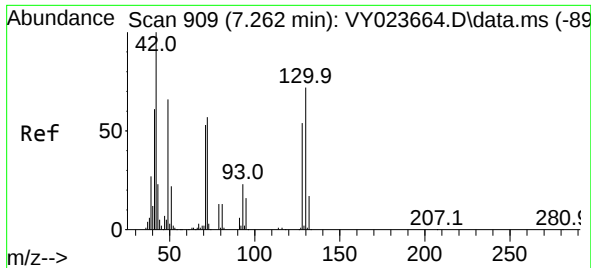


#28
Bromochloromethane
Concen: 5.526 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53



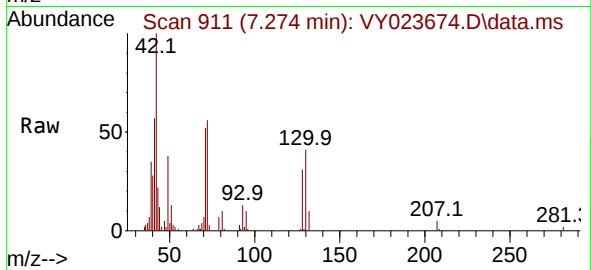
Tgt Ion: 49 Resp: 18124
Ion Ratio Lower Upper
49 100
129 1.6 0.0 5.0
130 96.3 80.1 120.1





#29
Tetrahydrofuran
Concen: 26.962 ug/l
RT: 7.274 min Scan# 911
Delta R.T. 0.012 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53

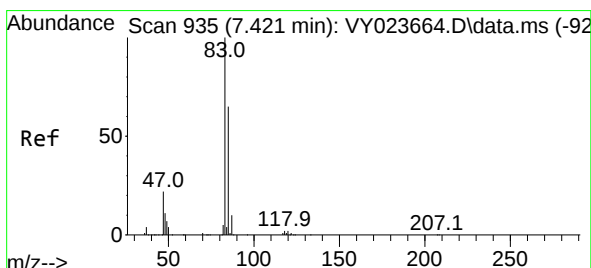
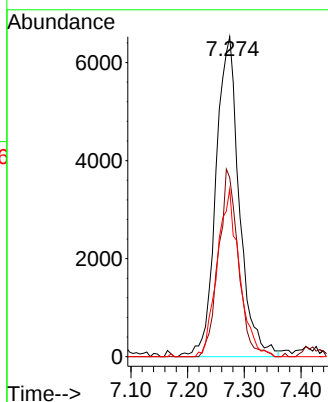
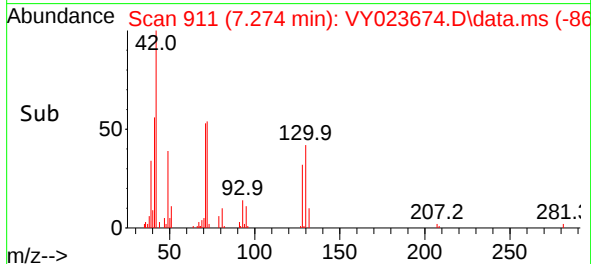
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2025



Tgt Ion: 42 Resp: 18678
Ion Ratio Lower Upper
42 100
72 50.0 43.4 65.2
71 49.8 40.7 61.1

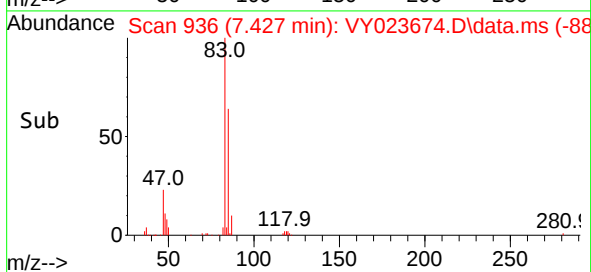
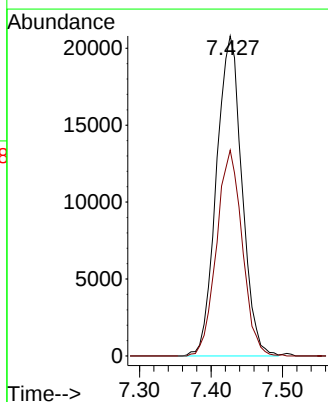
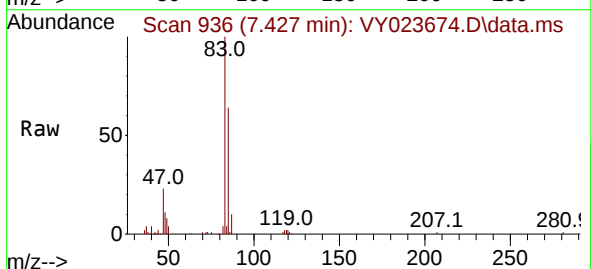
Manual Integrations
APPROVED

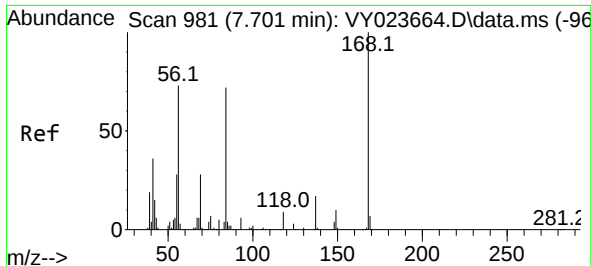
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#30
Chloroform
Concen: 5.404 ug/l
RT: 7.427 min Scan# 936
Delta R.T. 0.006 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53

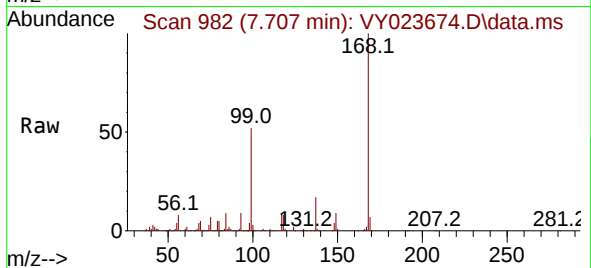
Tgt Ion: 83 Resp: 51648
Ion Ratio Lower Upper
83 100
85 64.3 52.1 78.1





#31
Cyclohexane
Concen: 5.868 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53

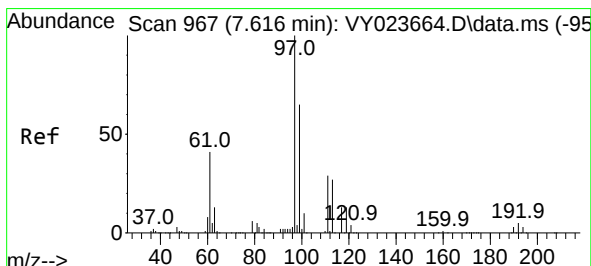
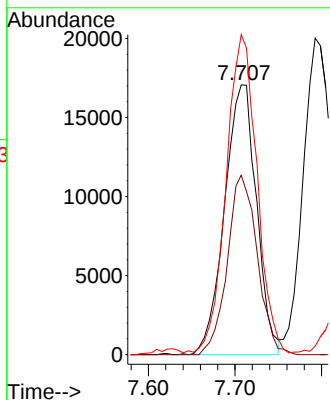
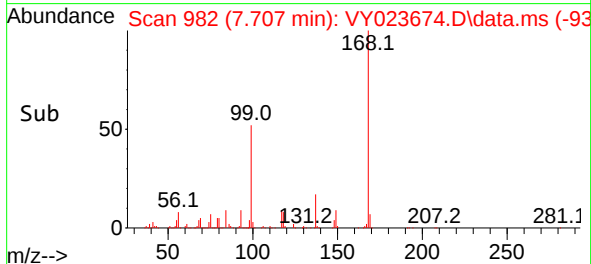
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2025



Tgt Ion: 56 Resp: 43773
Ion Ratio Lower Upper
56 100
69 66.5 30.5 45.7
84 117.0 79.0 118.4

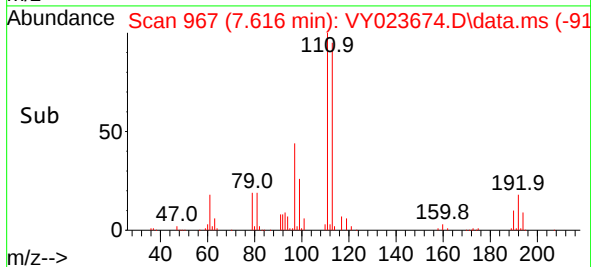
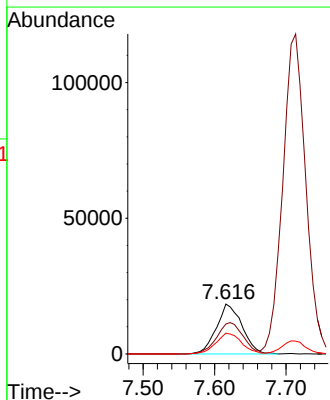
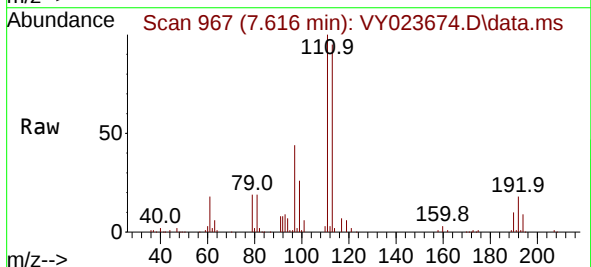
Manual Integrations
APPROVED

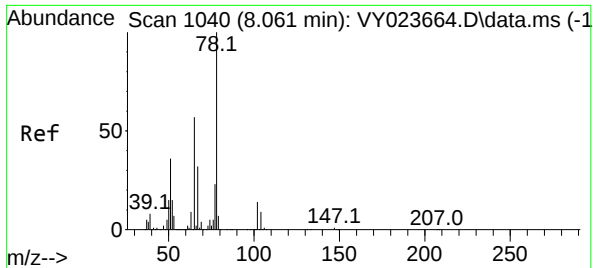
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#32
1,1,1-Trichloroethane
Concen: 5.356 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53

Tgt Ion: 97 Resp: 45754
Ion Ratio Lower Upper
97 100
99 64.2 51.5 77.3
61 42.0 32.5 48.7





#33

1,2-Dichloroethane-d4

Concen: 54.387 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VY023674.D

Acq: 04 Nov 2025 14:53

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2025

Tgt Ion: 65 Resp: 246162

Ion Ratio Lower Upper

65 100

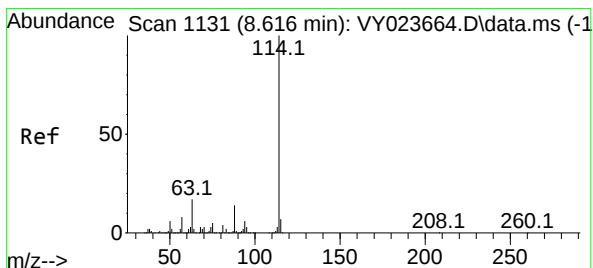
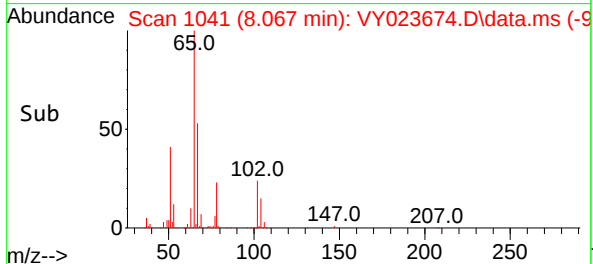
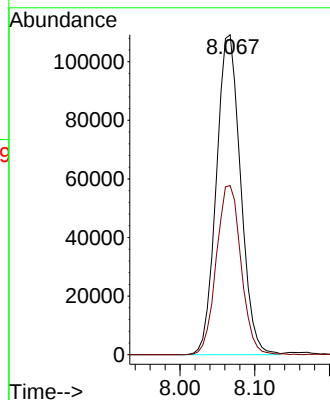
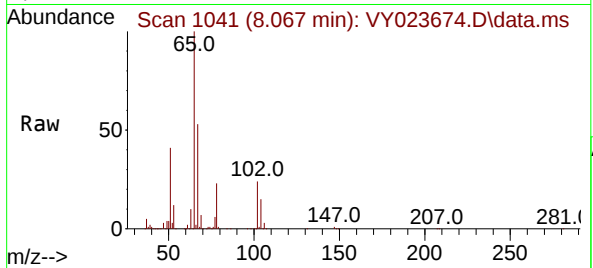
67 54.0 0.0 107.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/06/2025

Supervised By :Semsettin Yesilyurt 11/06/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023674.D

Acq: 04 Nov 2025 14:53

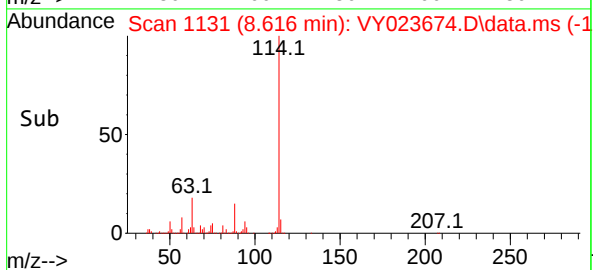
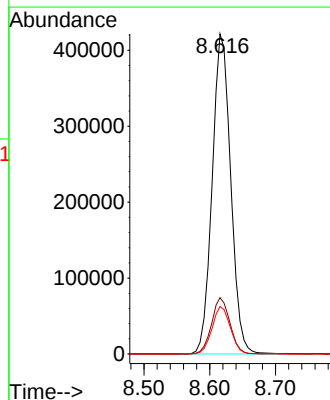
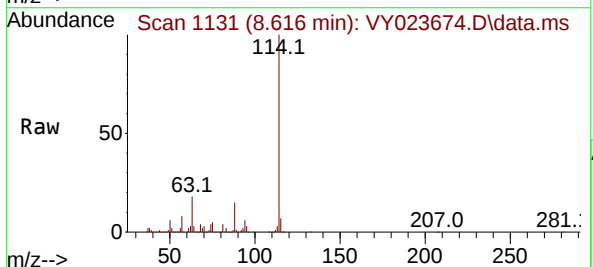
Tgt Ion:114 Resp: 827084

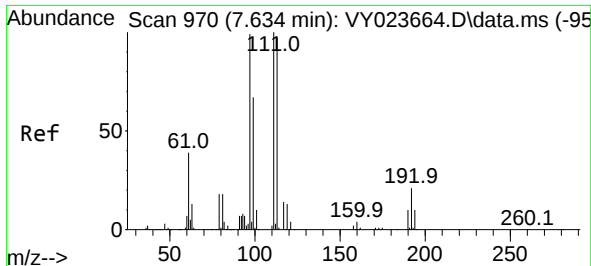
Ion Ratio Lower Upper

114 100

63 17.6 0.0 33.8

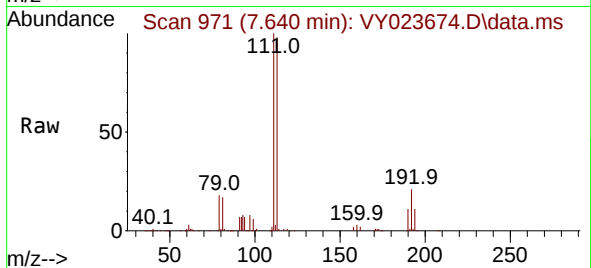
88 14.8 0.0 29.0





#35
Dibromofluoromethane
Concen: 52.174 ug/l
RT: 7.640 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53

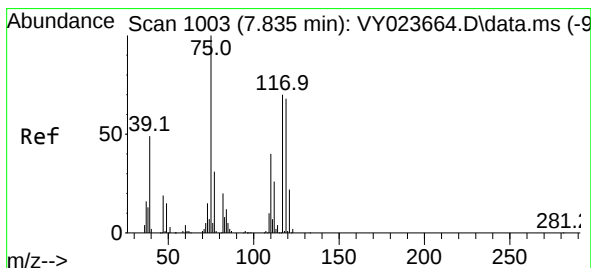
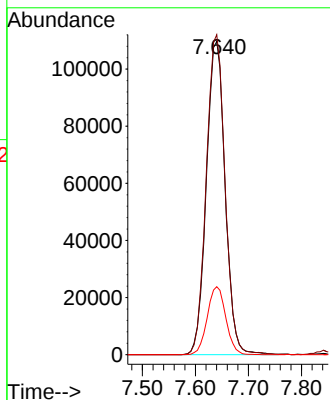
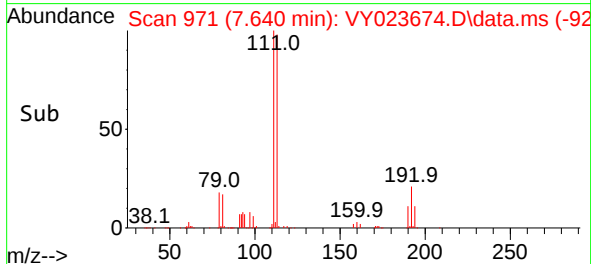
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2025



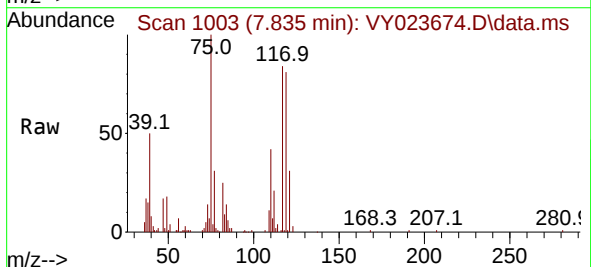
Tgt Ion:113 Resp: 26967
Ion Ratio Lower Upper
113 100
111 102.2 82.2 123.4
192 21.5 17.3 25.9

Manual Integrations
APPROVED

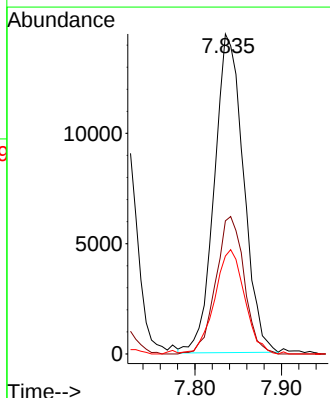
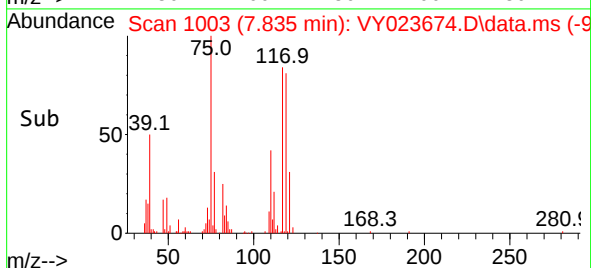
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#36
1,1-Dichloropropene
Concen: 4.899 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53



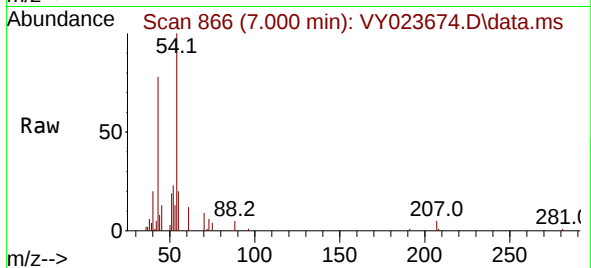
Tgt Ion: 75 Resp: 33834
Ion Ratio Lower Upper
75 100
110 41.8 19.7 59.0
77 33.5 25.2 37.8





#37
Ethyl Acetate
Concen: 5.311 ug/l m
RT: 7.000 min Scan# 80
Delta R.T. 0.018 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53

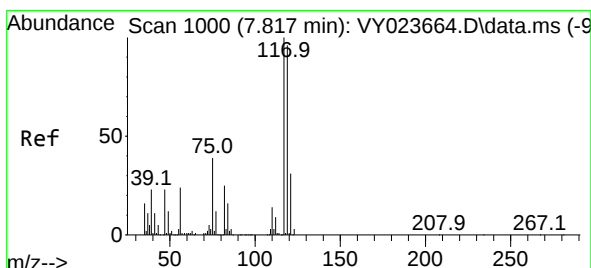
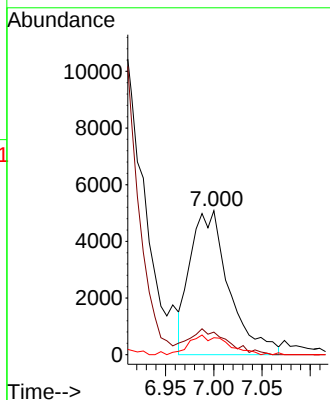
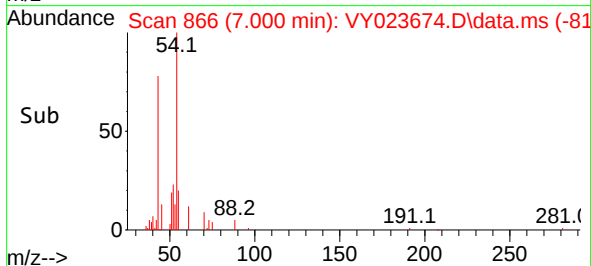
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2025



Tgt Ion: 43 Resp: 1420
Ion Ratio Lower Upper
43 100
61 18.3 12.4 18.6
70 13.3 9.8 14.8

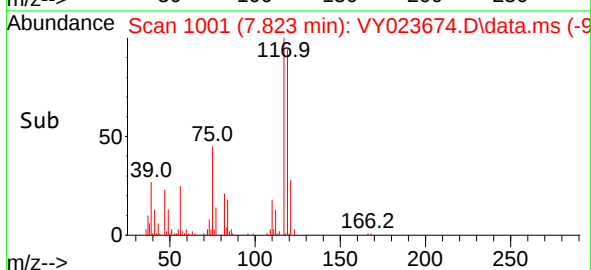
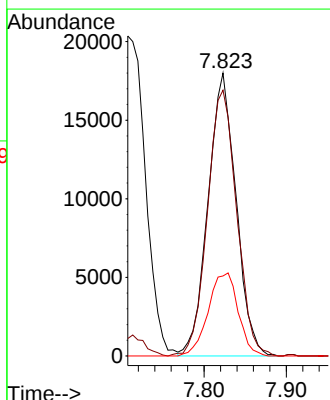
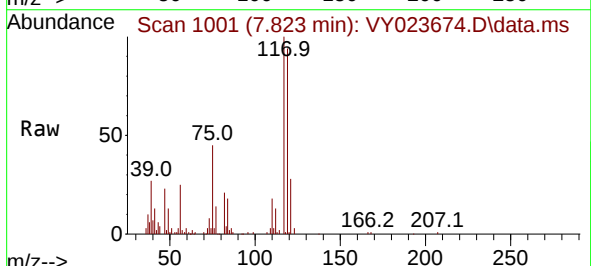
Manual Integrations
APPROVED

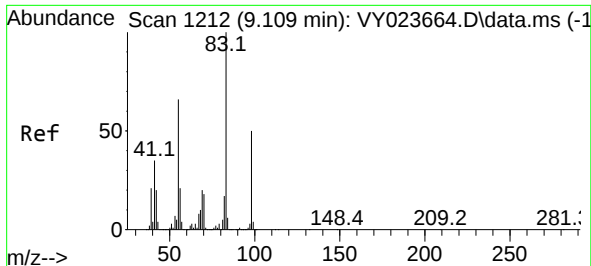
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#38
Carbon Tetrachloride
Concen: 5.240 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53

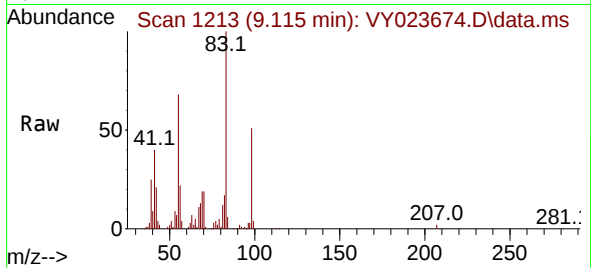
Tgt Ion:117 Resp: 42644
Ion Ratio Lower Upper
117 100
119 94.0 76.3 114.5
121 28.3 24.8 37.2





#39
Methylcyclohexane
Concen: 4.821 ug/l
RT: 9.115 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53

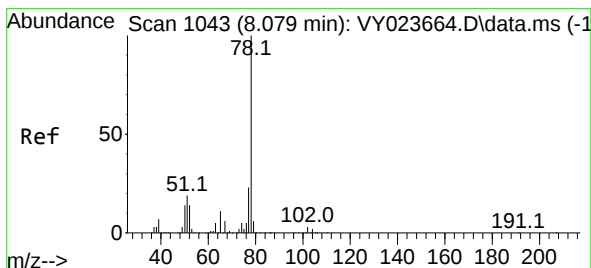
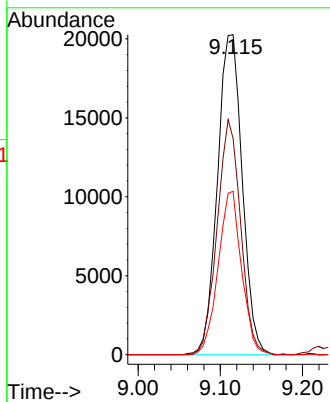
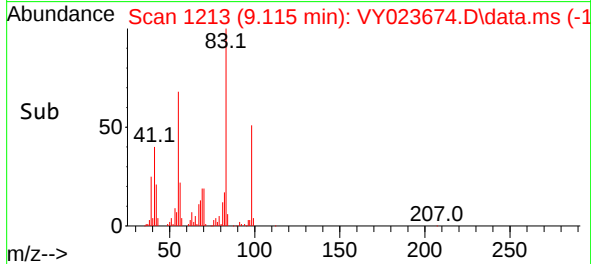
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2025



Tgt Ion: 83 Resp: 42540
Ion Ratio Lower Upper
83 100
55 67.6 52.6 78.8
98 51.0 39.7 59.5

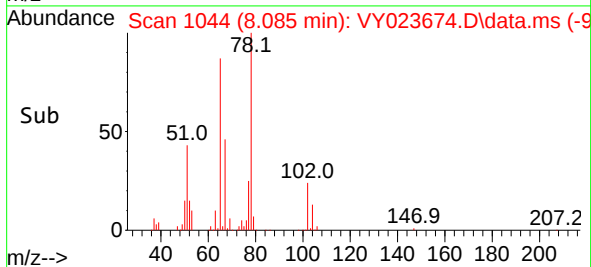
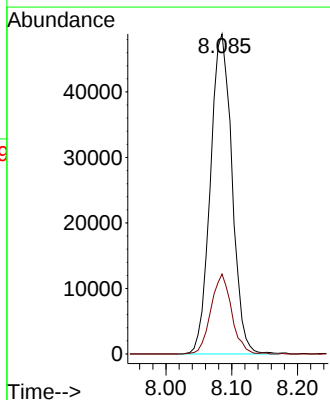
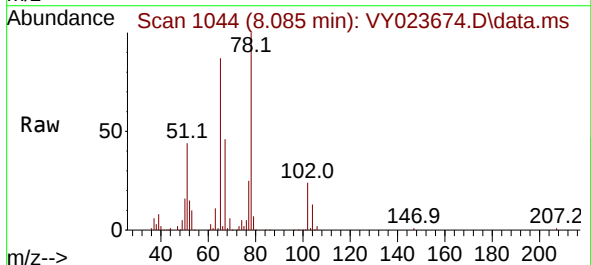
Manual Integrations
APPROVED

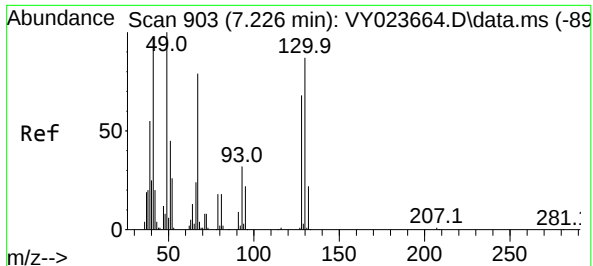
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#40
Benzene
Concen: 5.131 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.006 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53

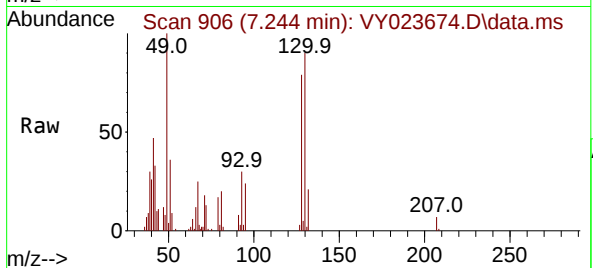
Tgt Ion: 78 Resp: 111697
Ion Ratio Lower Upper
78 100
77 25.0 18.8 28.2





#41
Methacrylonitrile
Concen: 4.900 ug/l m
RT: 7.244 min Scan# 903
Delta R.T. 0.018 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53

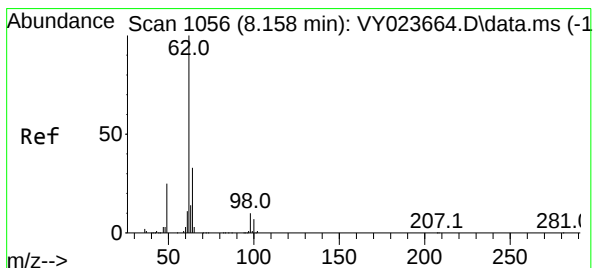
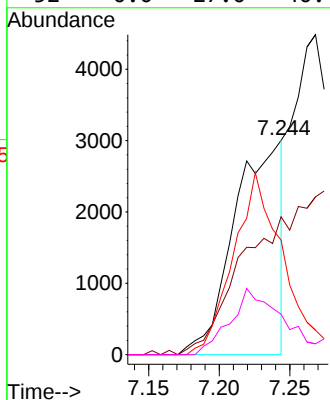
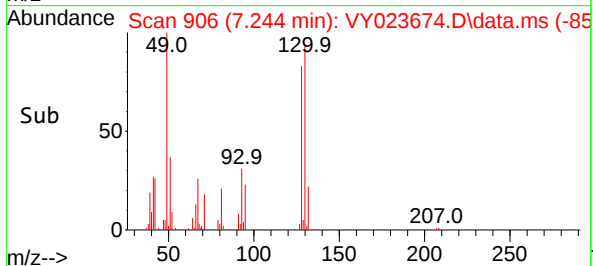
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2025



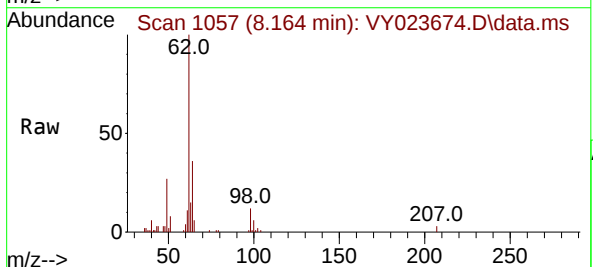
Tgt Ion: 41 Resp: 7152
Ion Ratio Lower Upper
41 100
39 151.7 38.6 57.8
67 0.0 71.3 106.9
52 0.0 27.0 40.4

Manual Integrations
APPROVED

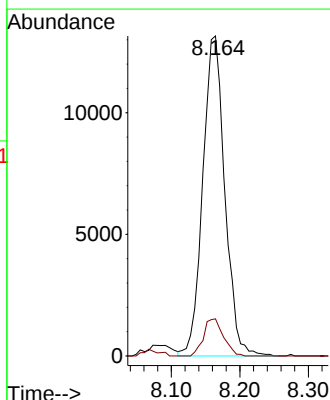
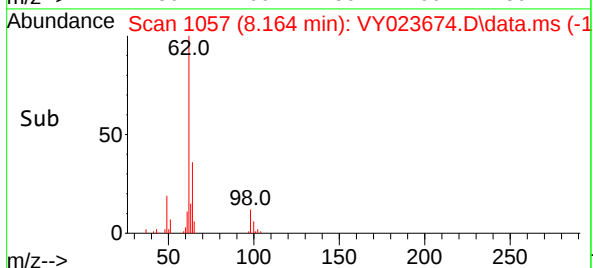
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025

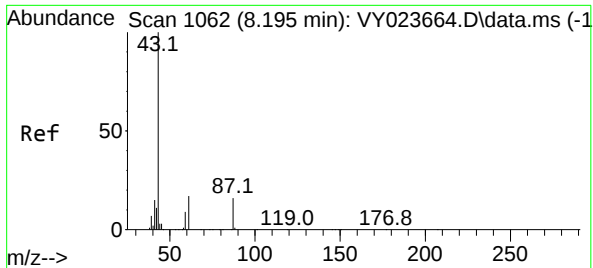


#42
1,2-Dichloroethane
Concen: 5.349 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53



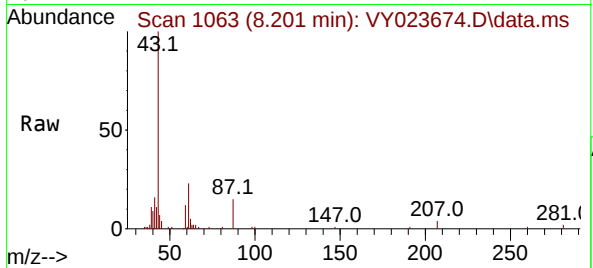
Tgt Ion: 62 Resp: 29463
Ion Ratio Lower Upper
62 100
98 10.5 0.0 21.0





#43
Isopropyl Acetate
Concen: 5.298 ug/l
RT: 8.201 min Scan# 1063
Delta R.T. 0.006 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53

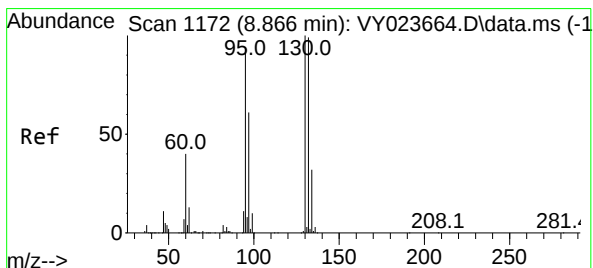
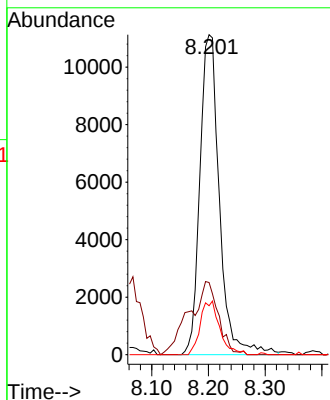
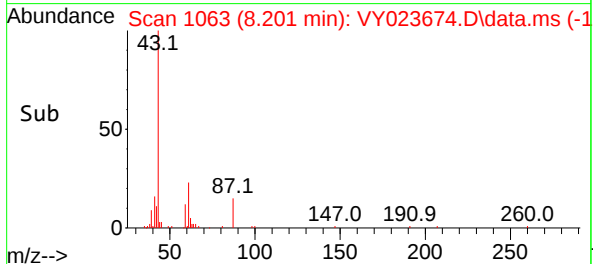
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2025



Tgt Ion: 43 Resp: 26610
Ion Ratio Lower Upper
43 100
61 21.8 18.2 27.2
87 16.7 13.3 19.9

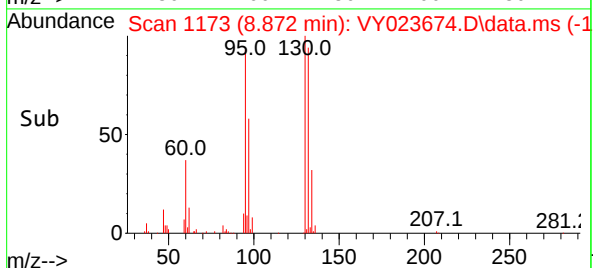
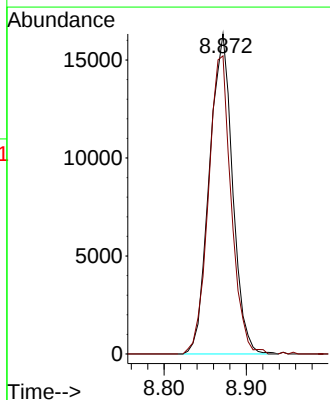
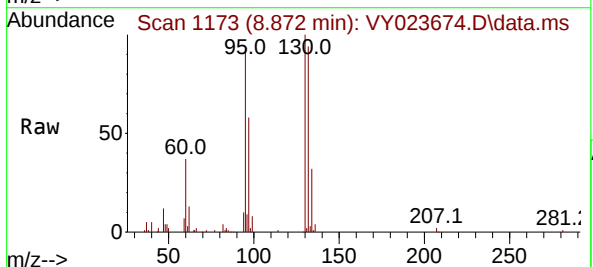
Manual Integrations
APPROVED

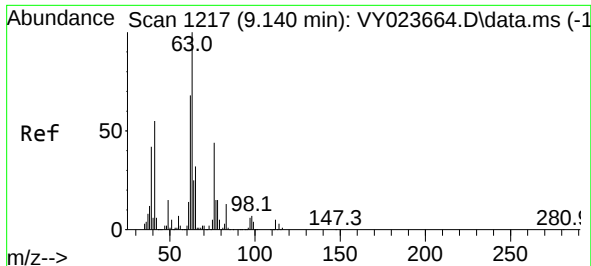
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#44
Trichloroethene
Concen: 5.118 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. 0.006 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53

Tgt Ion:130 Resp: 32002
Ion Ratio Lower Upper
130 100
95 93.1 0.0 187.0





#45

1,2-Dichloropropane

Concen: 5.206 ug/l

RT: 9.146 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VY023674.D

Acq: 04 Nov 2025 14:53

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2025

Tgt Ion: 63 Resp: 2501

Ion Ratio Lower Upper

63 100

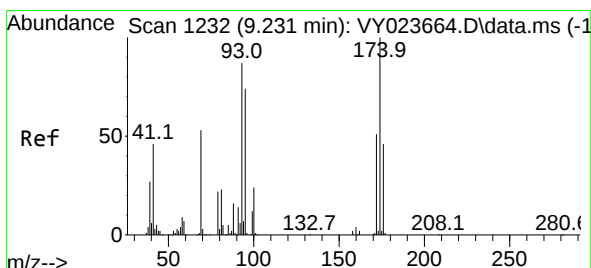
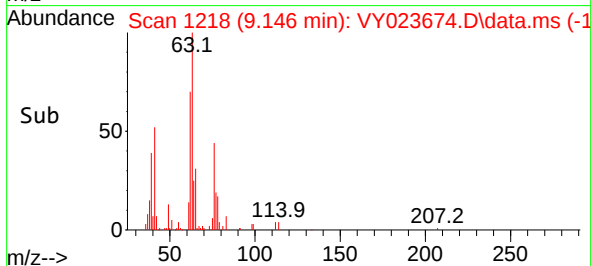
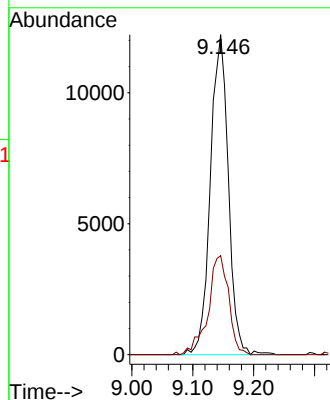
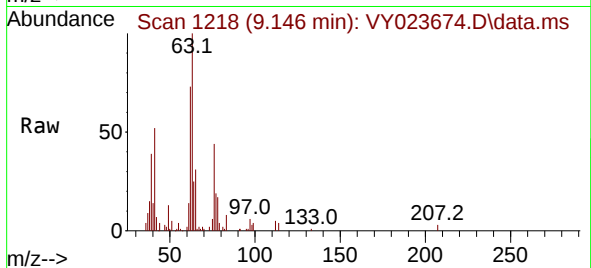
65 30.9 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/06/2025

Supervised By :Semsettin Yesilyurt 11/06/2025



#46

Dibromomethane

Concen: 5.392 ug/l

RT: 9.237 min Scan# 1233

Delta R.T. 0.006 min

Lab File: VY023674.D

Acq: 04 Nov 2025 14:53

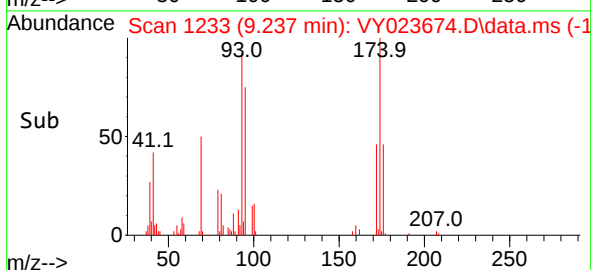
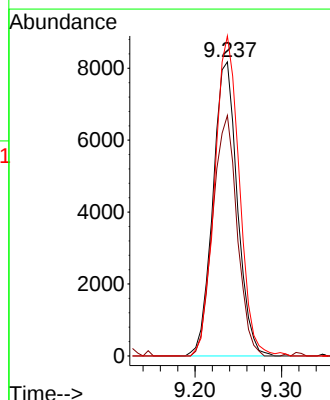
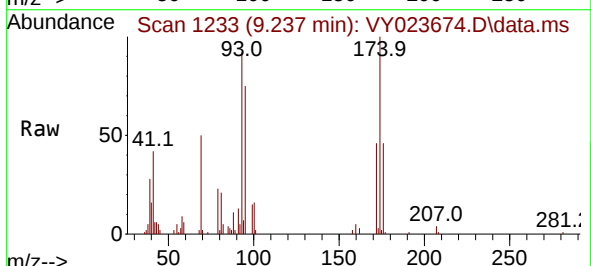
Tgt Ion: 93 Resp: 16052

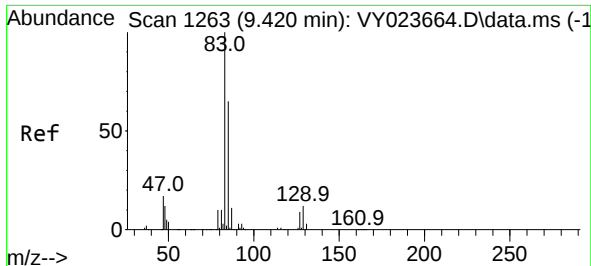
Ion Ratio Lower Upper

93 100

95 81.0 67.4 101.2

174 109.6 89.4 134.0





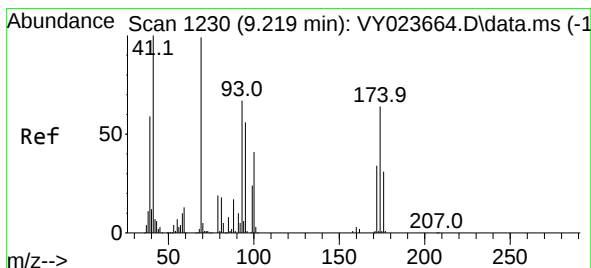
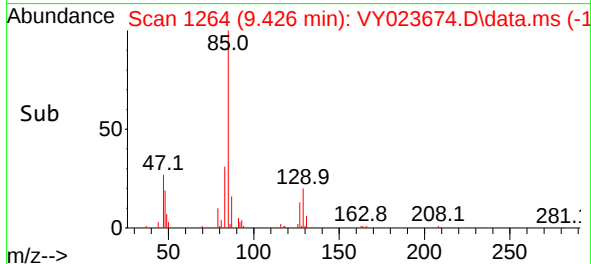
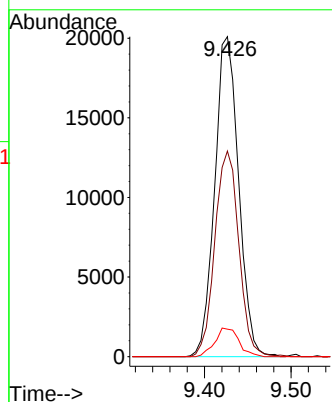
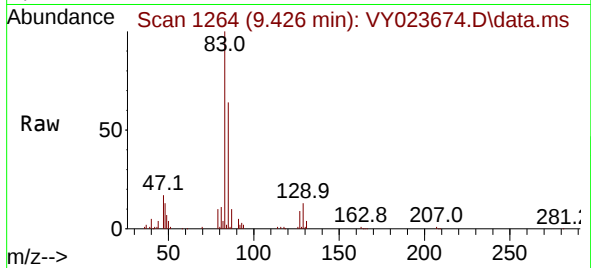
#47
Bromodichloromethane
Concen: 5.136 ug/l
RT: 9.426 min Scan# 1263
Delta R.T. 0.006 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53

Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT4-2025

Tgt Ion: 83 Resp: 38554
Ion Ratio Lower Upper
83 100
85 64.2 52.1 78.1
127 8.6 7.5 11.3

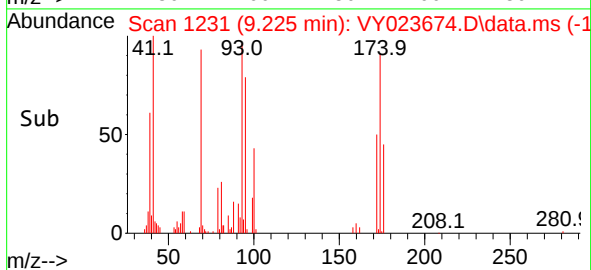
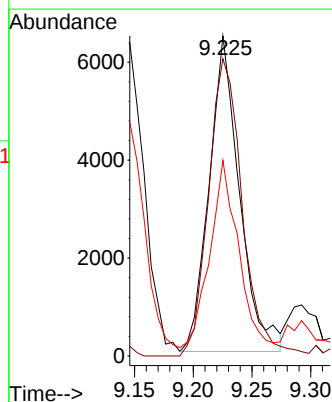
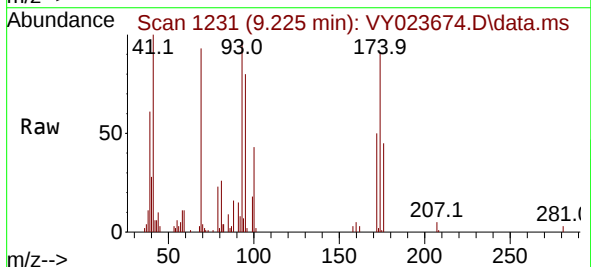
Manual Integrations
APPROVED

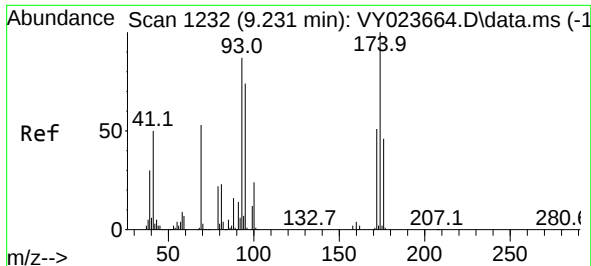
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#48
Methyl methacrylate
Concen: 4.891 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.006 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53

Tgt Ion: 41 Resp: 11609
Ion Ratio Lower Upper
41 100
69 104.4 80.2 120.2
39 55.5 47.4 71.0





#49

1,4-Dioxane

Concen: 96.859 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.000 min

Lab File: VY023674.D

Acq: 04 Nov 2025 14:53

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2025

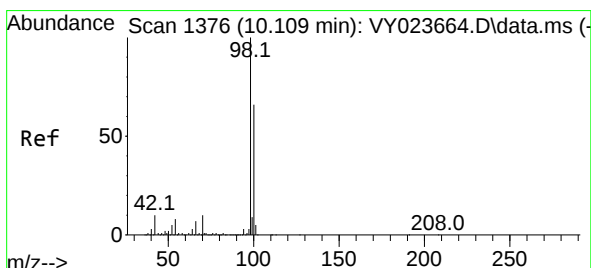
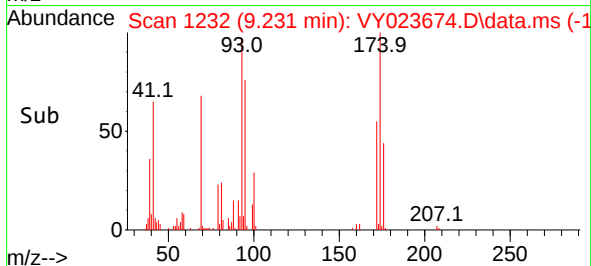
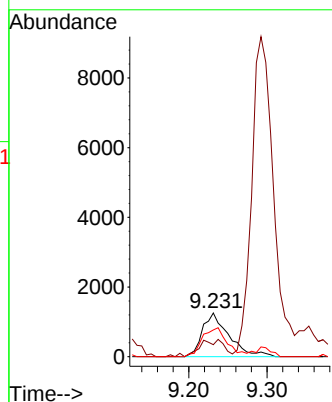
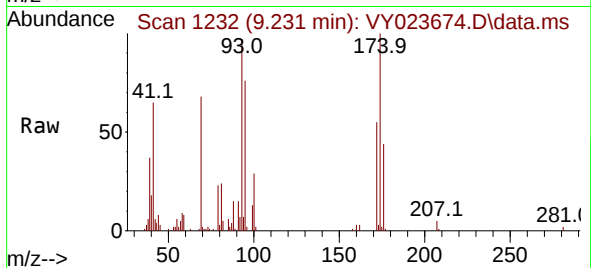
Tgt Ion:	88	Resp:	295
Ion Ratio	Lower	Upper	
88	100		
43	36.7	22.0	33.0
58	62.5	47.8	71.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/06/2025

Supervised By :Semsettin Yesilyurt 11/06/2025



#50

Toluene-d8

Concen: 51.197 ug/l

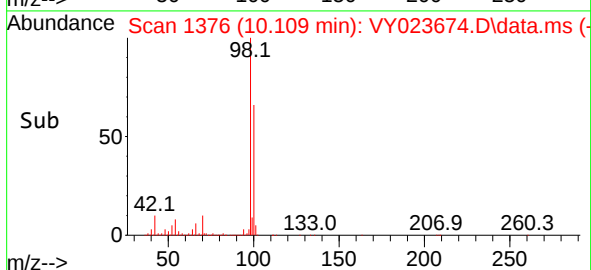
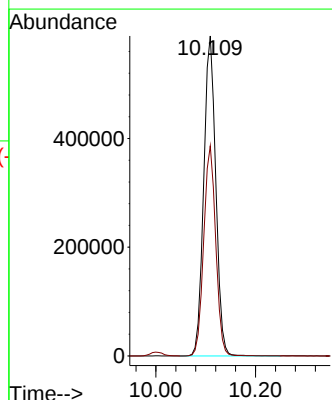
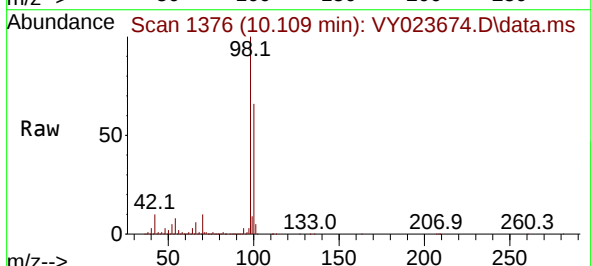
RT: 10.109 min Scan# 1376

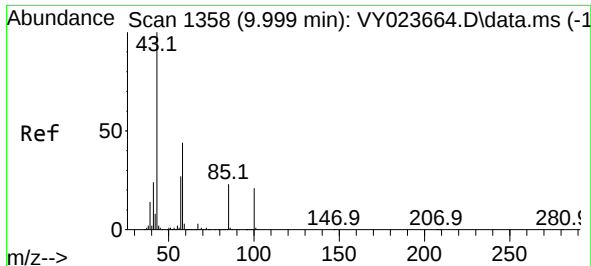
Delta R.T. -0.000 min

Lab File: VY023674.D

Acq: 04 Nov 2025 14:53

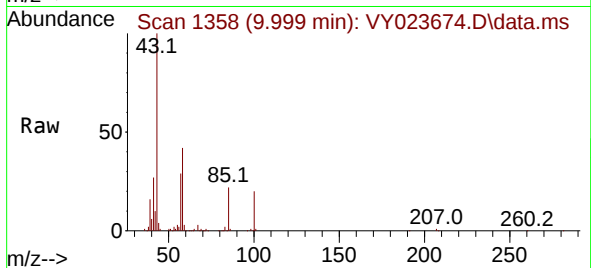
Tgt Ion:	98	Resp:	985744
Ion Ratio	Lower	Upper	
98	100		
100	65.5	52.7	79.1





#51
4-Methyl-2-Pentanone
Concen: 23.451 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53

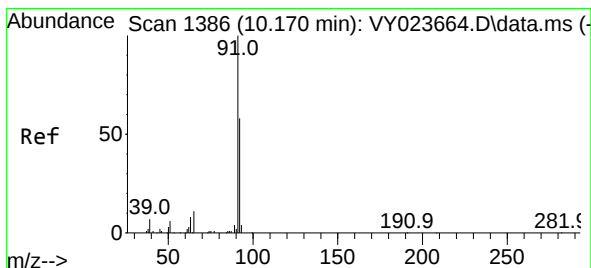
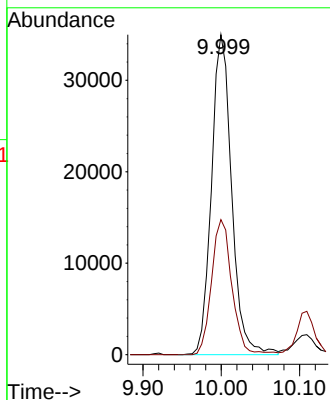
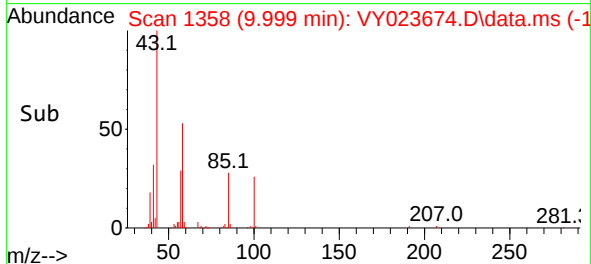
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2025



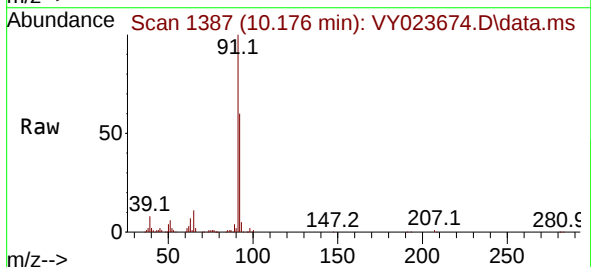
Tgt Ion: 43 Resp: 62652
Ion Ratio Lower Upper
43 100
58 42.8 34.8 52.2

Manual Integrations
APPROVED

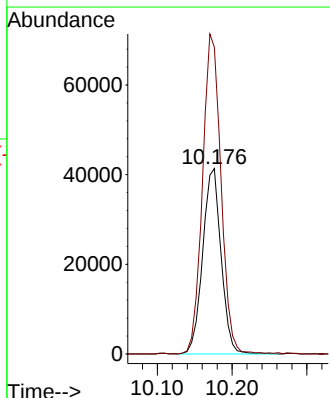
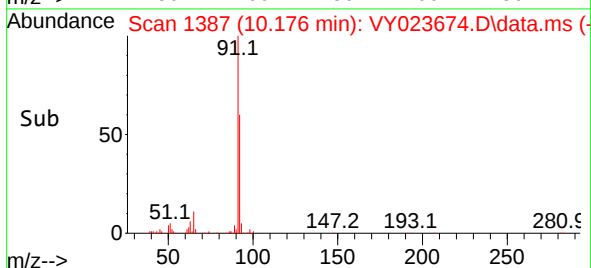
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025

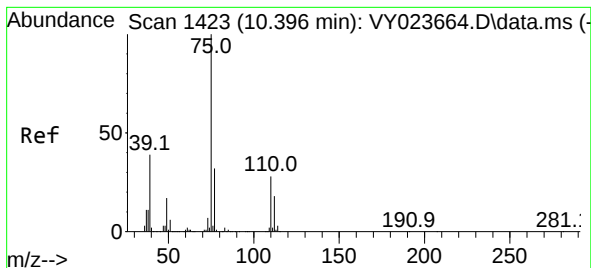


#52
Toluene
Concen: 5.093 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.006 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53



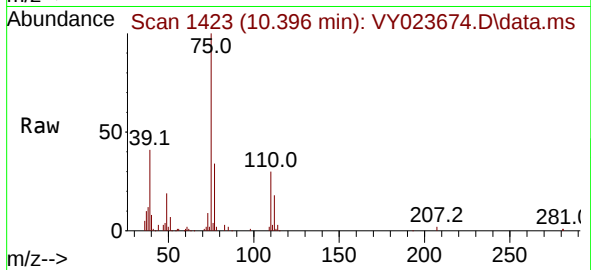
Tgt Ion: 92 Resp: 70784
Ion Ratio Lower Upper
92 100
91 172.9 137.8 206.8





#53
t-1,3-Dichloropropene
Concen: 4.760 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. -0.000 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53

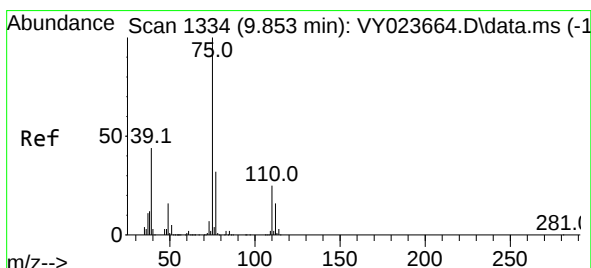
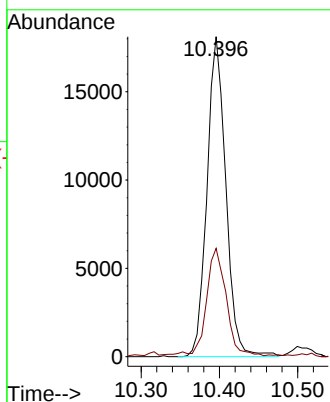
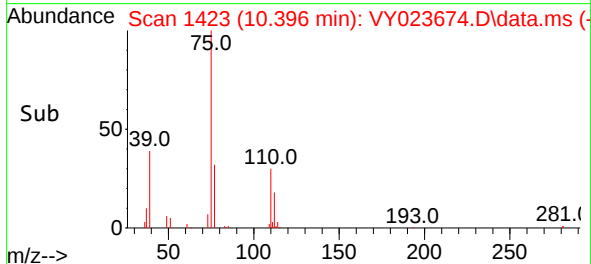
Instrument : MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2025



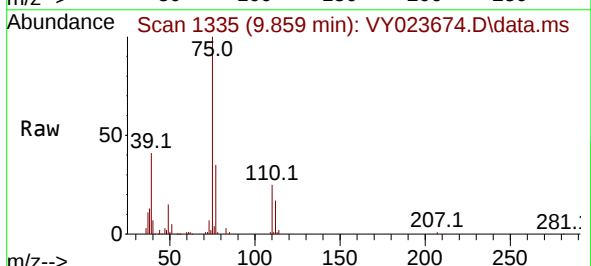
Tgt Ion: 75 Resp: 30229
Ion Ratio Lower Upper
75 100
77 33.3 25.6 38.4

Manual Integrations
APPROVED

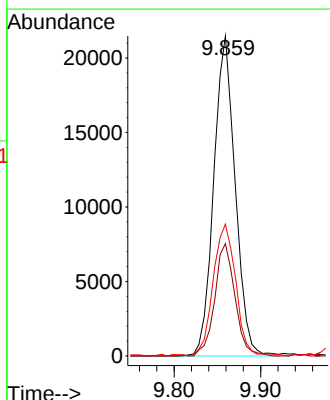
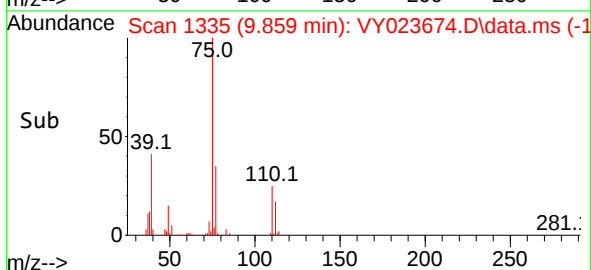
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025

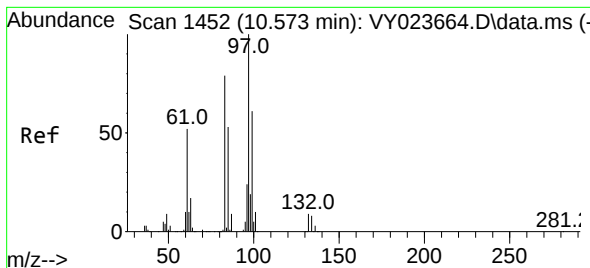


#54
cis-1,3-Dichloropropene
Concen: 4.852 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53



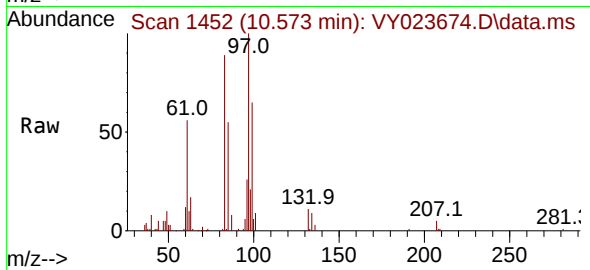
Tgt Ion: 75 Resp: 36918
Ion Ratio Lower Upper
75 100
77 35.1 25.7 38.5
39 40.8 34.9 52.3





#55
1,1,2-Trichloroethane
Concen: 5.273 ug/l
RT: 10.573 min Scan# 1452
Delta R.T. -0.000 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53

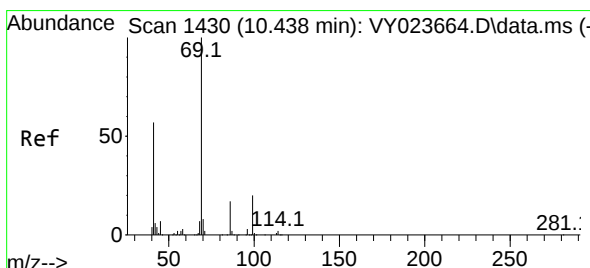
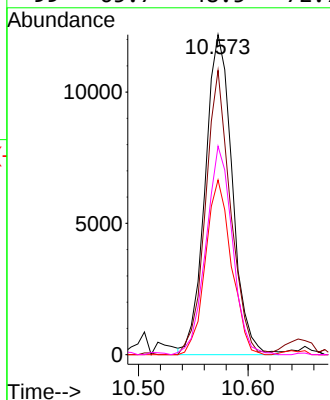
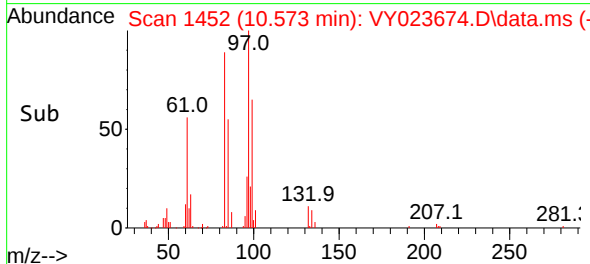
Instrument : MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2025



Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.7	63.3	94.9
85	55.1	42.4	63.6
99	65.7	48.5	72.7

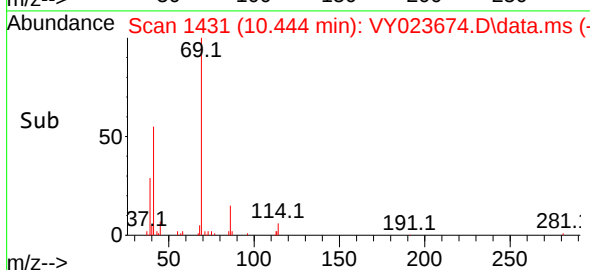
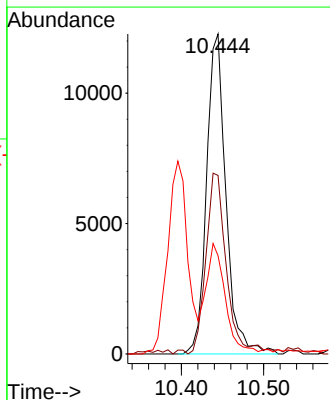
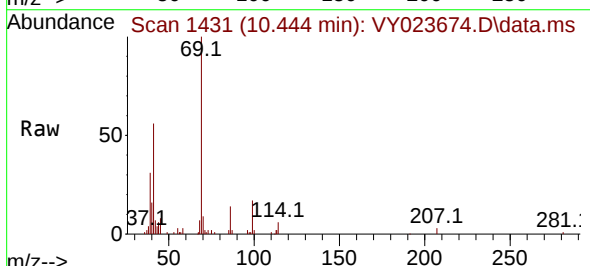
Manual Integrations
APPROVED

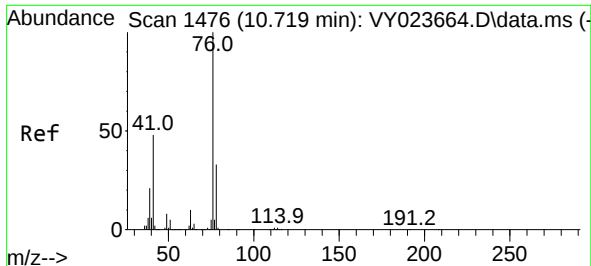
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#56
Ethyl methacrylate
Concen: 4.567 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53

Tgt Ion	Ratio	Lower	Upper
69	100		
41	61.1	45.0	67.4
39	33.5	25.1	37.7





#57

1,3-Dichloropropane

Concen: 5.180 ug/l

RT: 10.719 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VY023674.D

Acq: 04 Nov 2025 14:53

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2025

Tgt Ion: 76 Resp: 3268

Ion Ratio Lower Upper

76 100

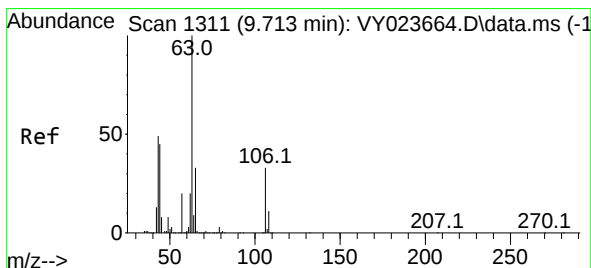
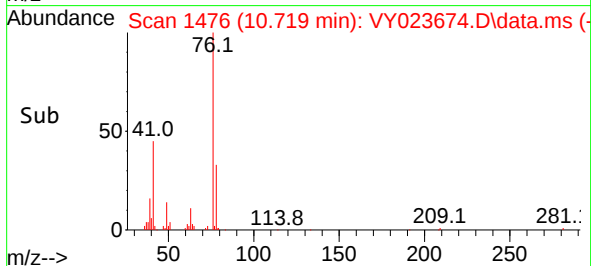
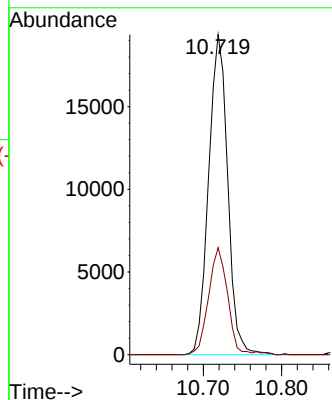
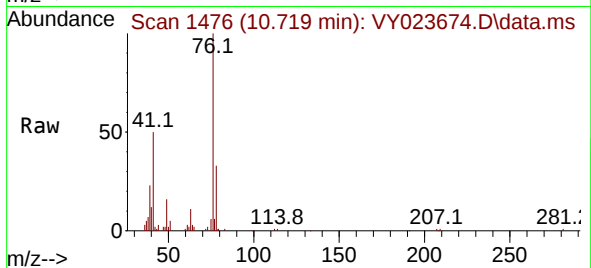
78 33.1 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/06/2025

Supervised By :Semsettin Yesilyurt 11/06/2025



#58

2-Chloroethyl Vinyl ether

Concen: 20.982 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. -0.000 min

Lab File: VY023674.D

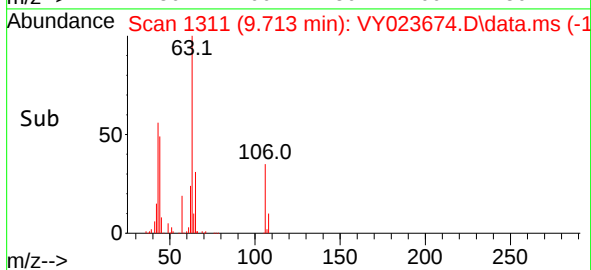
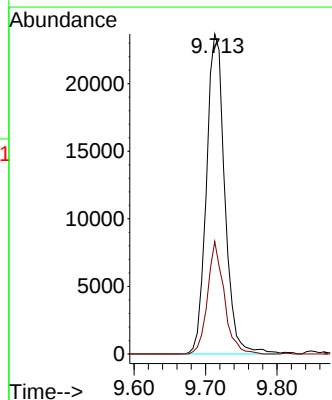
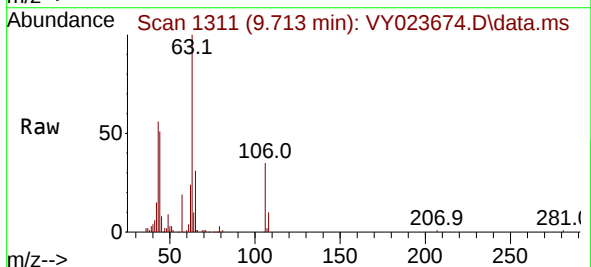
Acq: 04 Nov 2025 14:53

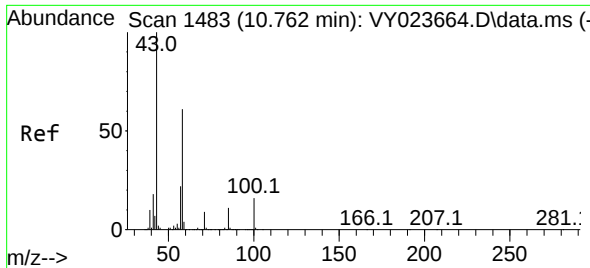
Tgt Ion: 63 Resp: 42206

Ion Ratio Lower Upper

63 100

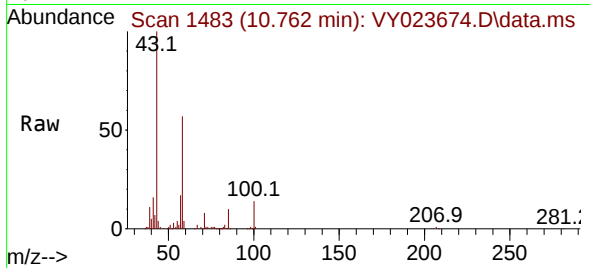
106 31.9 26.2 39.2





#59
2-Hexanone
Concen: 23.180 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. -0.000 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53

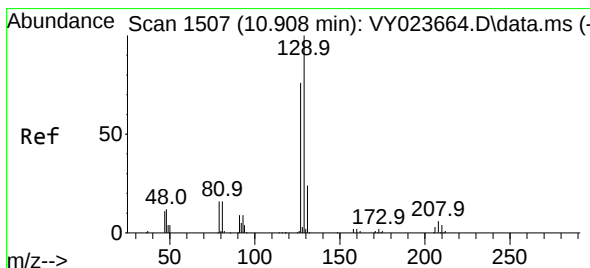
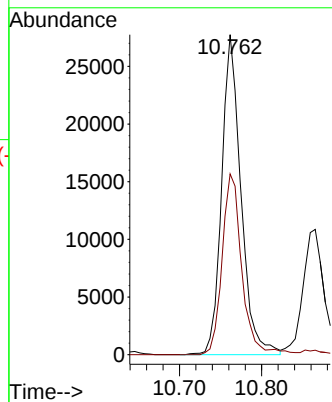
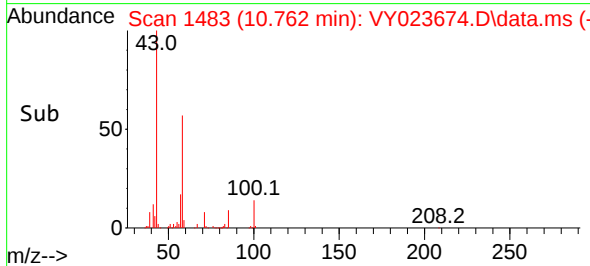
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2025



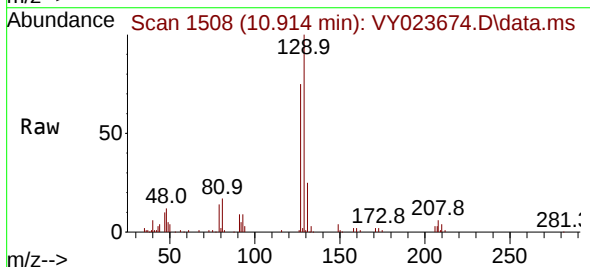
Tgt Ion: 43 Resp: 4518
Ion Ratio Lower Upper
43 100
58 57.7 30.2 90.6

Manual Integrations
APPROVED

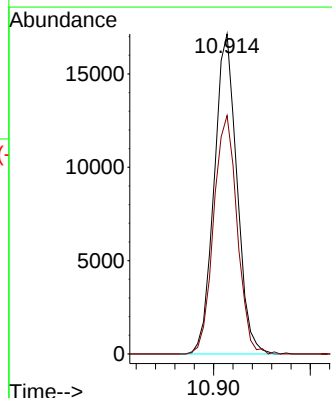
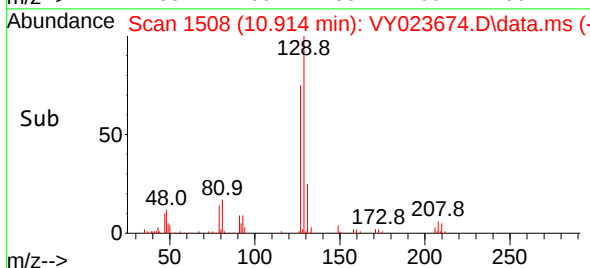
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025

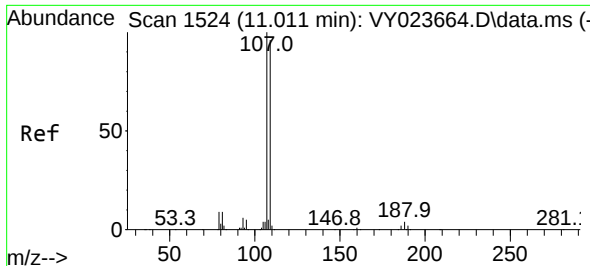


#60
Dibromochloromethane
Concen: 5.108 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53



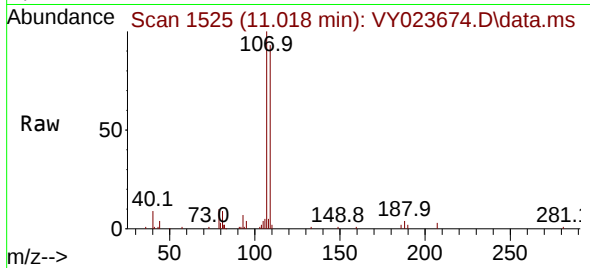
Tgt Ion:129 Resp: 27924
Ion Ratio Lower Upper
129 100
127 77.0 38.4 115.2





#61
1,2-Dibromoethane
Concen: 5.356 ug/l
RT: 11.018 min Scan# 1524
Delta R.T. 0.006 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53

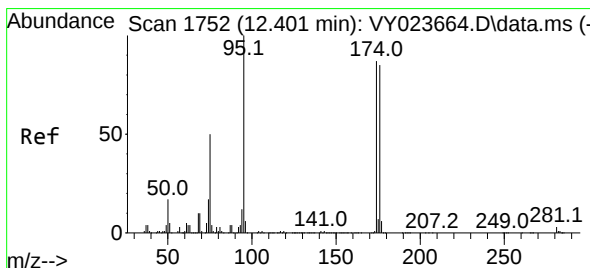
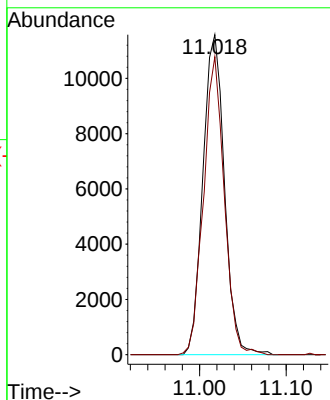
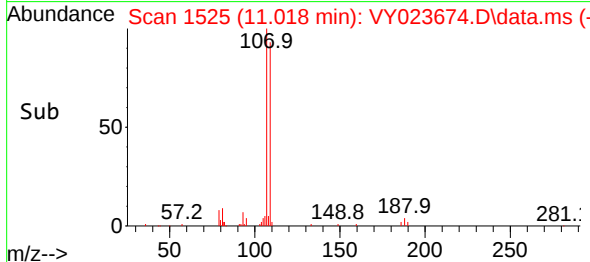
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2025



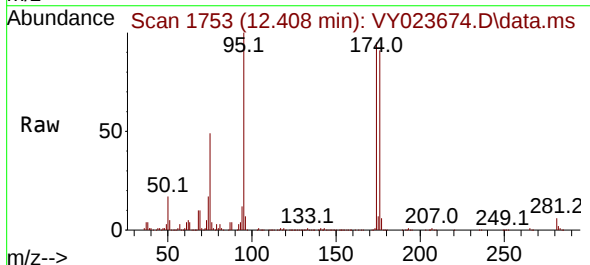
Tgt Ion:107 Resp: 1999
Ion Ratio Lower Upper
107 100
109 89.7 76.2 114.4

Manual Integrations
APPROVED

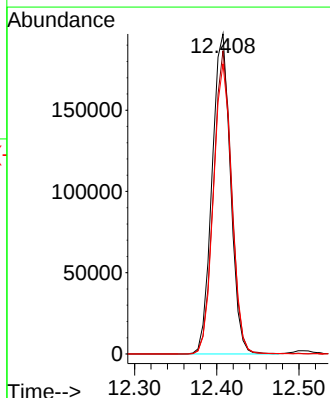
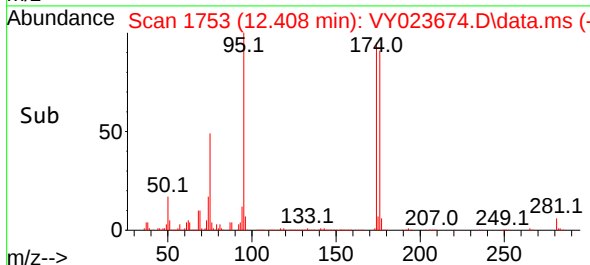
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025

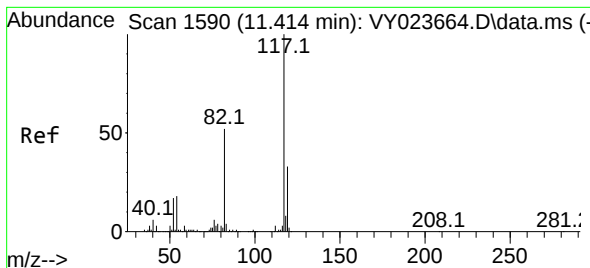


#62
4-Bromofluorobenzene
Concen: 49.167 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53



Tgt Ion: 95 Resp: 306141
Ion Ratio Lower Upper
95 100
174 93.4 0.0 184.8
176 90.4 0.0 181.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023674.D

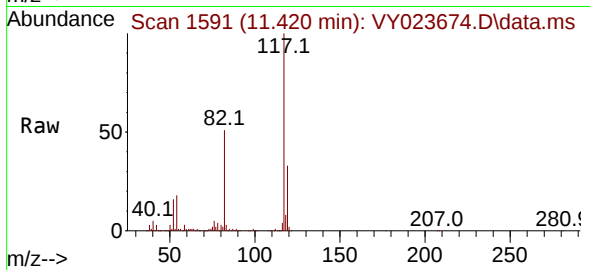
Acq: 04 Nov 2025 14:53

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2025



Tgt Ion:117 Resp: 70956

Ion Ratio Lower Upper

117 100

82 51.3 41.2 61.8

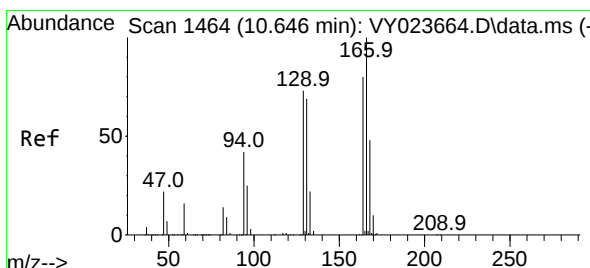
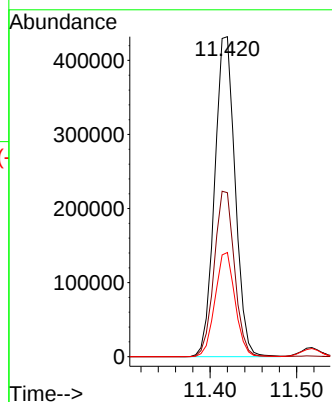
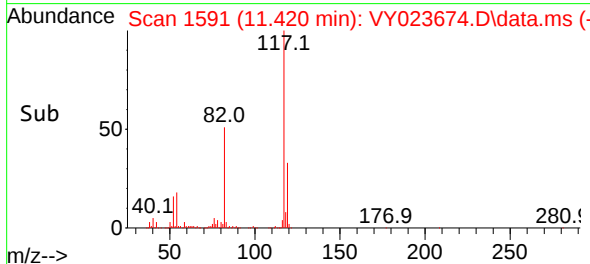
119 32.6 26.2 39.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/06/2025

Supervised By :Semsettin Yesilyurt 11/06/2025



#64

Tetrachloroethene

Concen: 5.174 ug/l

RT: 10.652 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VY023674.D

Acq: 04 Nov 2025 14:53

Tgt Ion:164 Resp: 38209

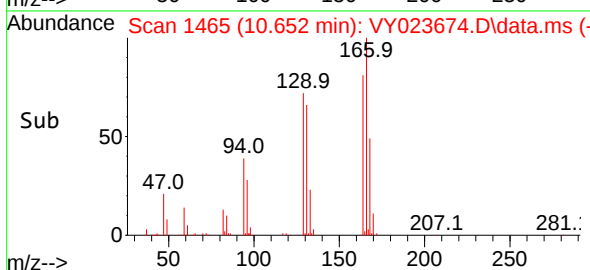
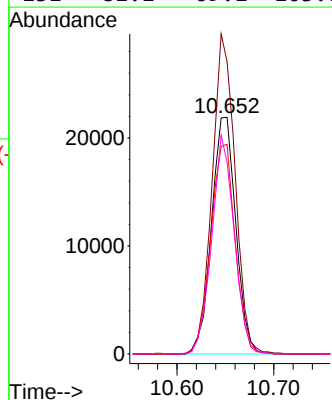
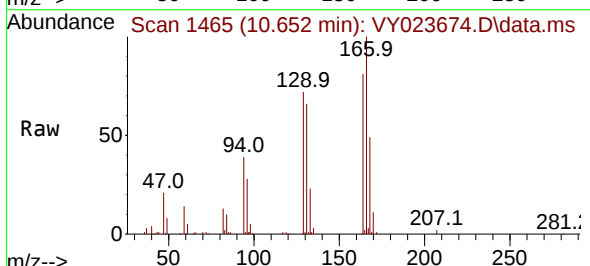
Ion Ratio Lower Upper

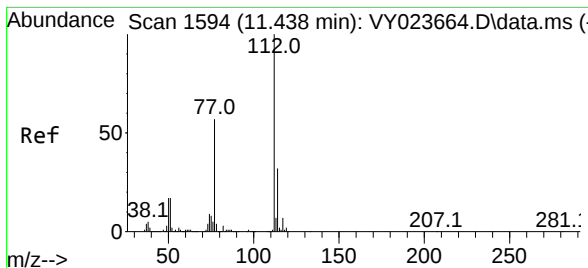
164 100

166 123.6 99.5 149.3

129 88.6 72.3 108.5

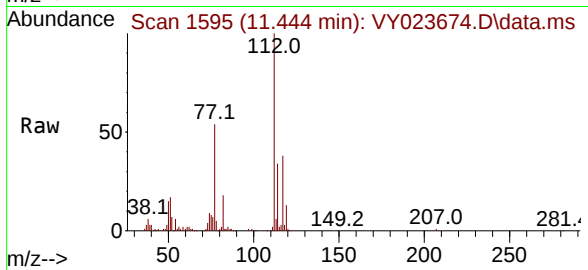
131 81.1 69.1 103.7





#65
Chlorobenzene
Concen: 5.173 ug/l
RT: 11.444 min Scan# 1595
Delta R.T. 0.006 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53

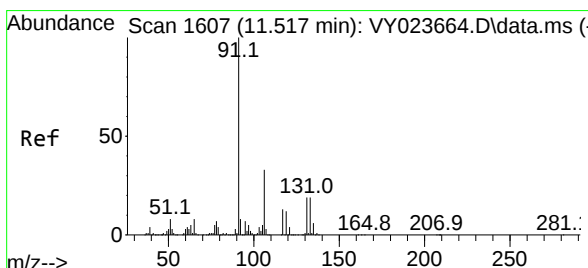
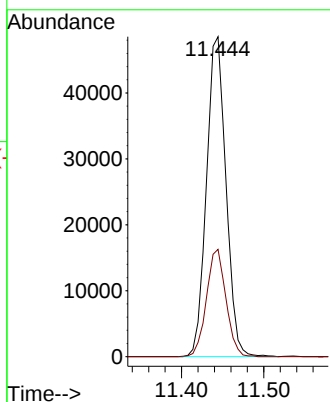
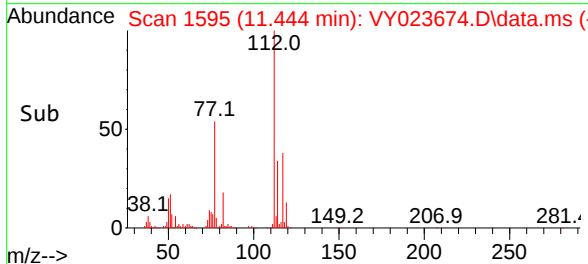
Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT4-2025



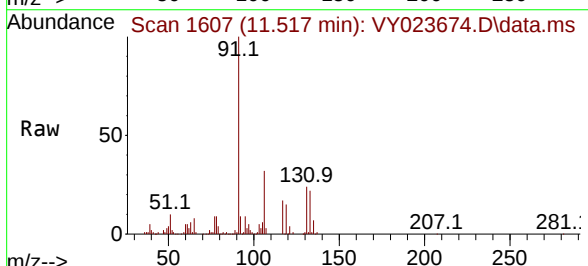
Tgt Ion:112 Resp: 79912
Ion Ratio Lower Upper
112 100
114 33.6 25.8 38.6

Manual Integrations
APPROVED

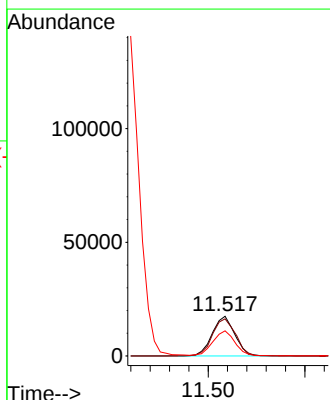
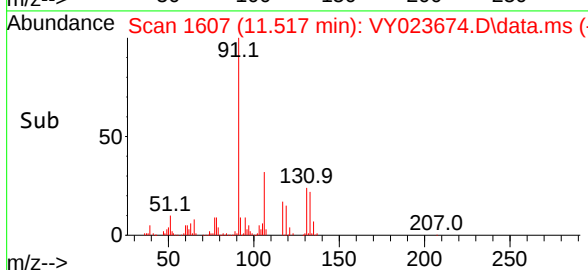
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025

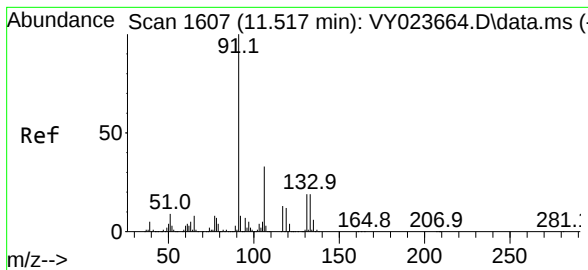


#66
1,1,1,2-Tetrachloroethane
Concen: 5.166 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53



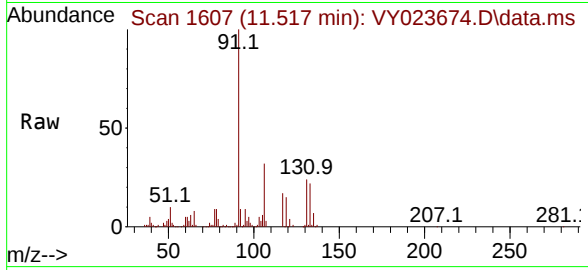
Tgt Ion:131 Resp: 28216
Ion Ratio Lower Upper
131 100
133 98.0 47.3 141.8
119 62.9 32.5 97.4





#67
Ethyl Benzene
Concen: 4.746 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53

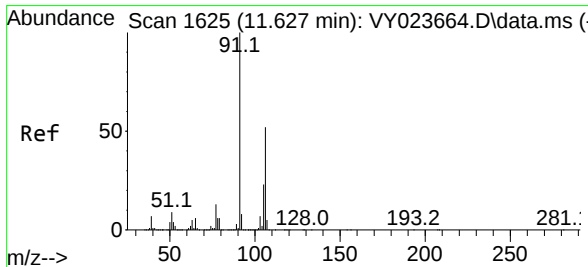
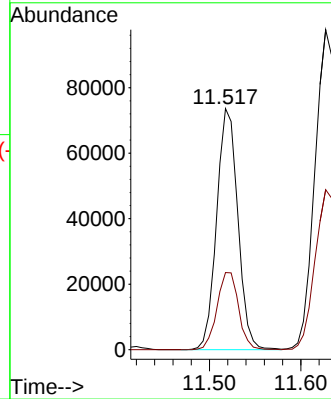
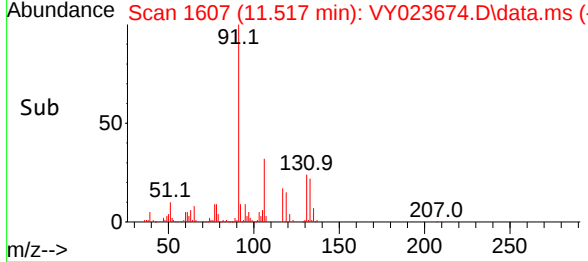
Instrument : MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2025



Tgt Ion: 91 Resp: 118648
Ion Ratio Lower Upper
91 100
106 32.0 26.6 40.0

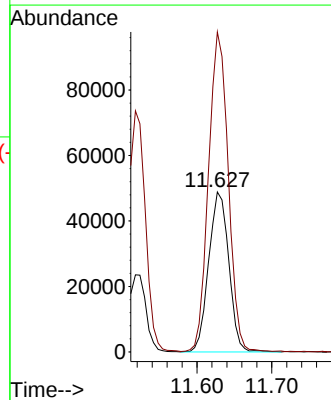
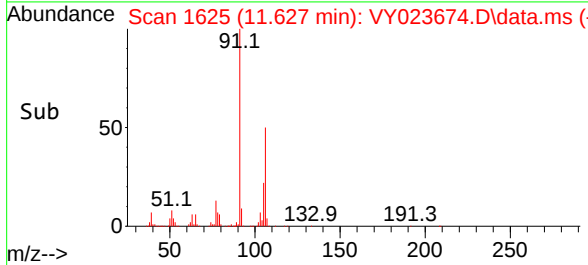
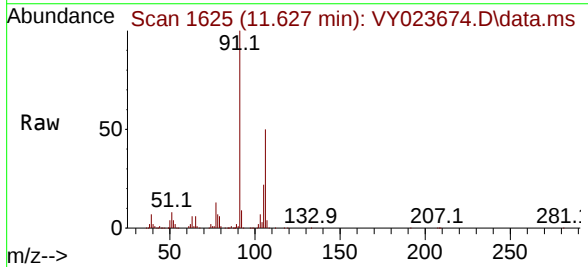
Manual Integrations
APPROVED

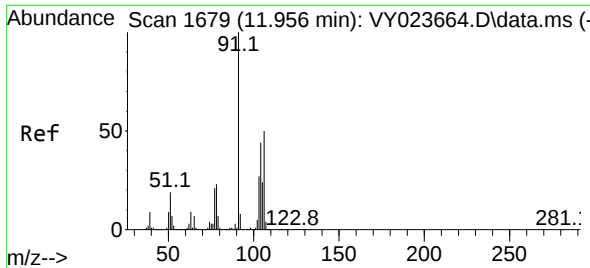
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#68
m/p-Xylenes
Concen: 9.159 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53

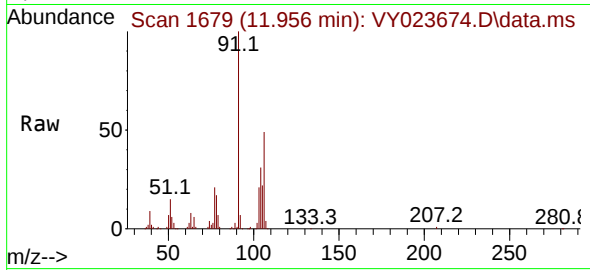
Tgt Ion:106 Resp: 91486
Ion Ratio Lower Upper
106 100
91 196.3 154.3 231.5





#69
o-Xylene
Concen: 4.559 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. -0.000 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53

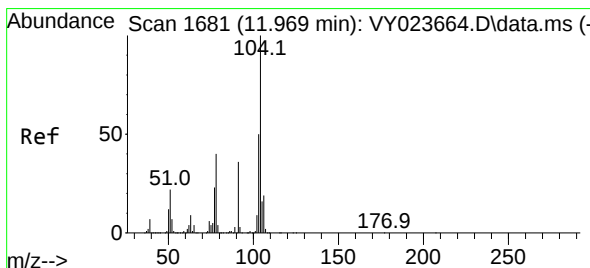
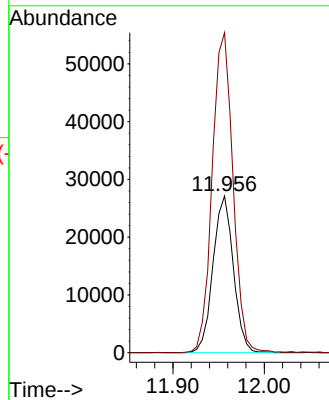
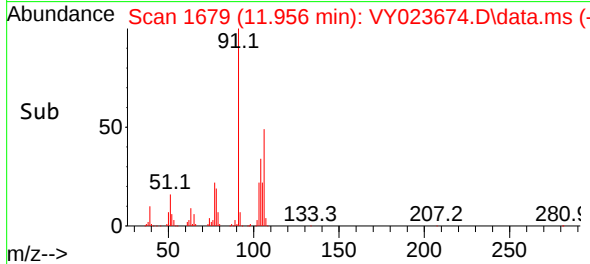
Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT4-2025



Tgt Ion:106 Resp: 42098
Ion Ratio Lower Upper
106 100
91 208.3 101.6 304.6

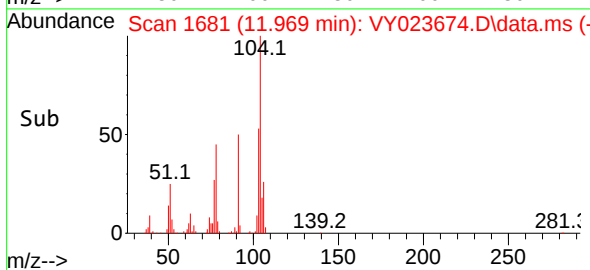
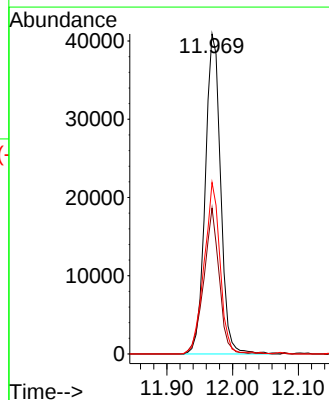
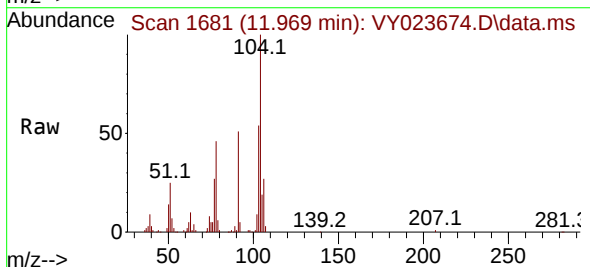
Manual Integrations
APPROVED

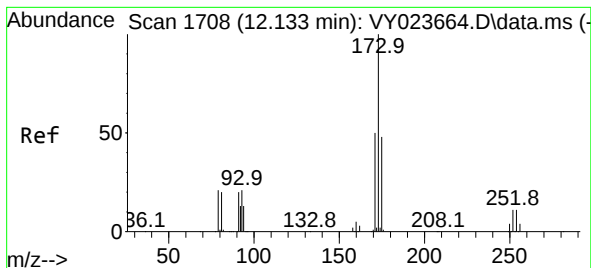
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#70
Styrene
Concen: 4.370 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53

Tgt Ion:104 Resp: 66580
Ion Ratio Lower Upper
104 100
78 45.6 36.5 54.7
103 55.6 43.7 65.5





#71

Bromoform

Concen: 5.216 ug/l

RT: 12.133 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY023674.D

Acq: 04 Nov 2025 14:53

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2025

Tgt Ion:173 Resp: 16639

Ion Ratio Lower Upper

173 100

175 48.6 24.2 72.6

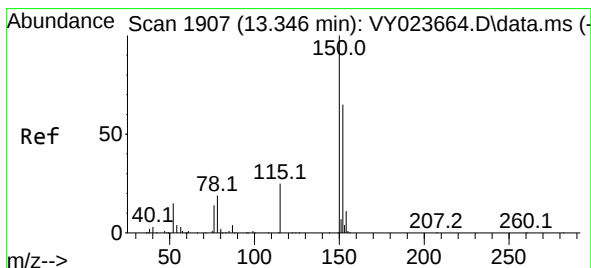
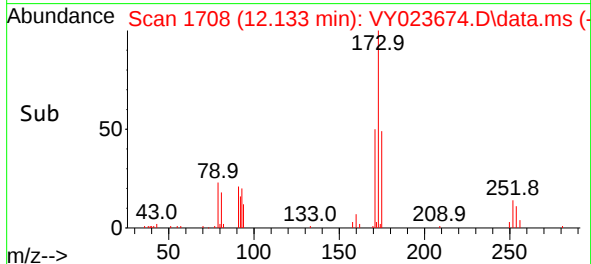
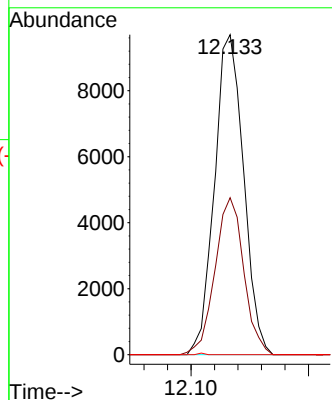
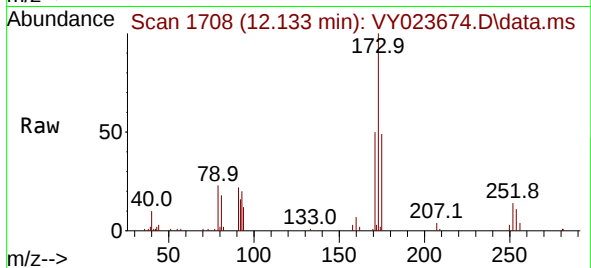
254 0.0 0.2 0.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/06/2025

Supervised By :Semsettin Yesilyurt 11/06/2025



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY023674.D

Acq: 04 Nov 2025 14:53

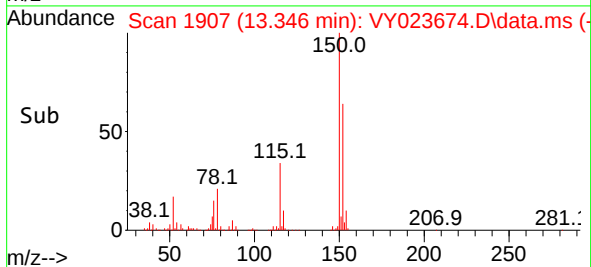
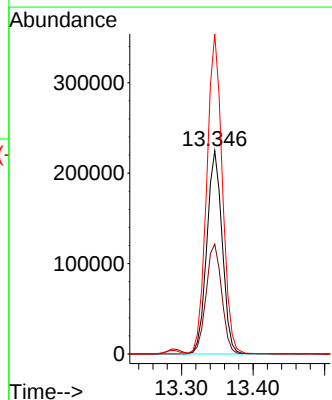
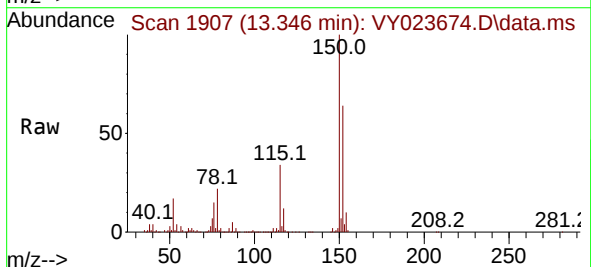
Tgt Ion:152 Resp: 335353

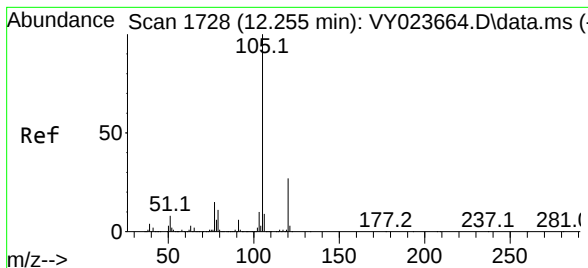
Ion Ratio Lower Upper

152 100

115 54.9 27.5 82.5

150 159.3 0.0 349.0





#73

Isopropylbenzene

Concen: 4.919 ug/l

RT: 12.255 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY023674.D

Acq: 04 Nov 2025 14:53

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2025

Tgt Ion:105 Resp: 110328

Ion Ratio Lower Upper

105 100

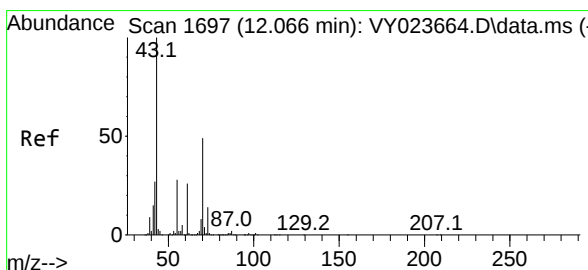
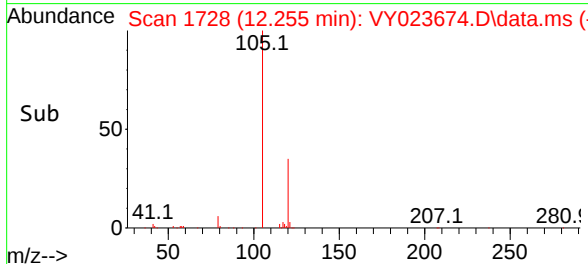
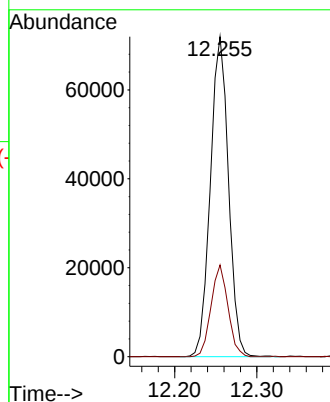
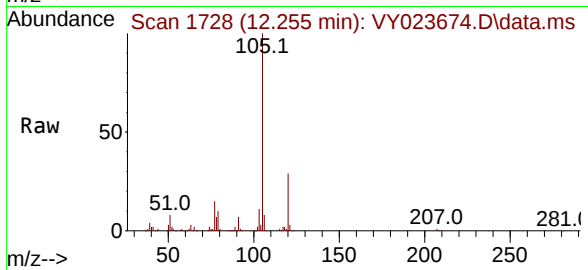
120 26.7 13.6 40.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/06/2025

Supervised By :Semsettin Yesilyurt 11/06/2025



#74

N-ethyl acetate

Concen: 4.644 ug/l

RT: 12.072 min Scan# 1698

Delta R.T. 0.006 min

Lab File: VY023674.D

Acq: 04 Nov 2025 14:53

Tgt Ion: 43 Resp: 17636

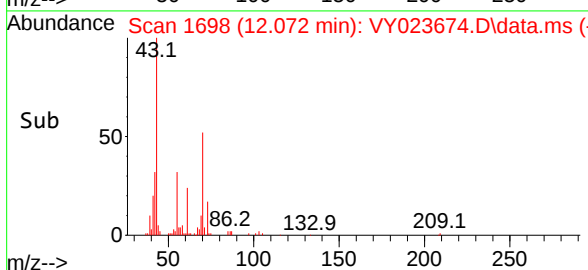
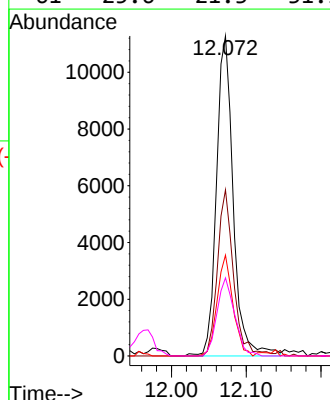
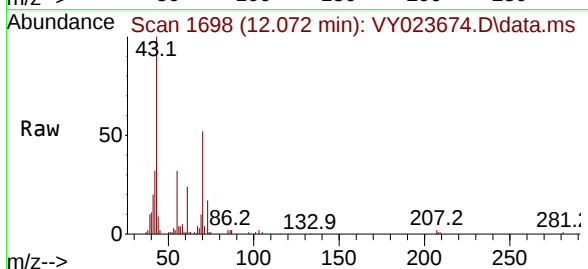
Ion Ratio Lower Upper

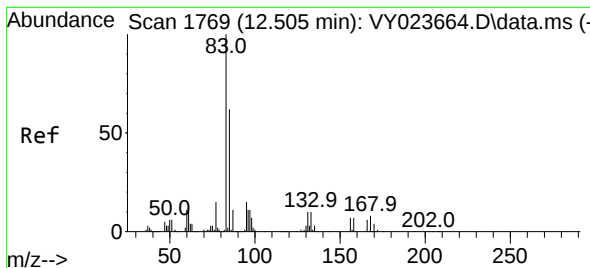
43 100

70 50.4 40.1 60.1

55 29.8 23.0 34.6

61 25.6 21.3 31.9





#75

1,1,2,2-Tetrachloroethane

Concen: 5.606 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. -0.000 min

Lab File: VY023674.D

Acq: 04 Nov 2025 14:53

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2025

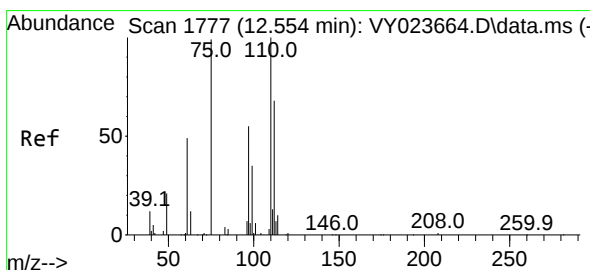
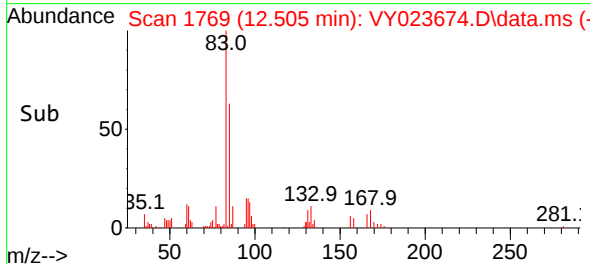
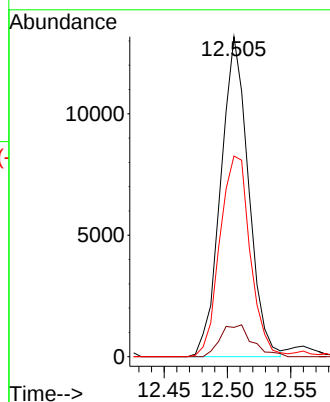
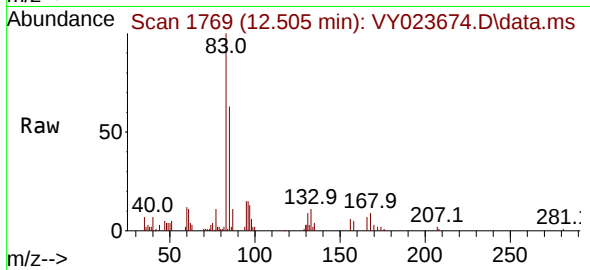
Tgt Ion: 83	Resp: 2008
Ion Ratio	Lower Upper
83 100	
131 11.4	5.7 17.0
85 68.6	31.9 95.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/06/2025

Supervised By :Semsettin Yesilyurt 11/06/2025



#76

1,2,3-Trichloropropane

Concen: 6.185 ug/l m

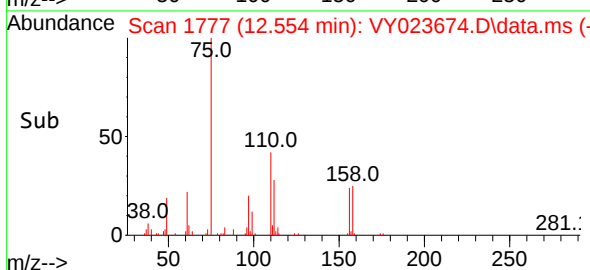
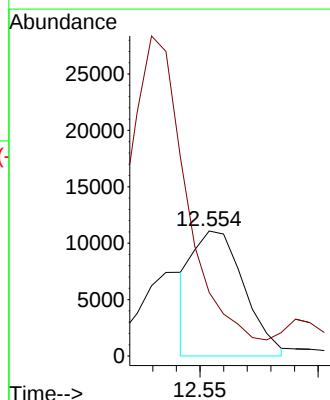
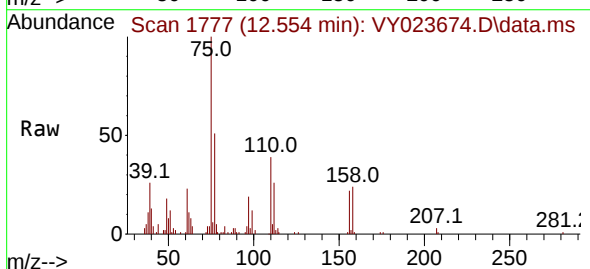
RT: 12.554 min Scan# 1777

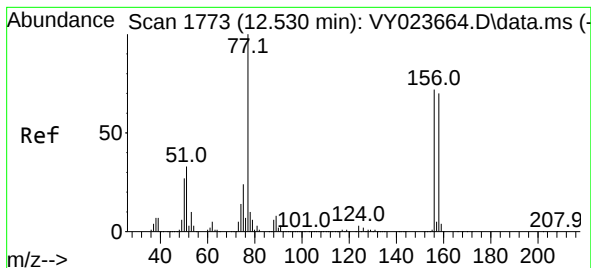
Delta R.T. -0.000 min

Lab File: VY023674.D

Acq: 04 Nov 2025 14:53

Tgt Ion: 75	Resp: 16787
Ion Ratio	Lower Upper
75 100	
77 0.0	0.0 0.0





#77

Bromobenzene

Concen: 5.336 ug/l

RT: 12.529 min Scan# 1773

Delta R.T. -0.000 min

Lab File: VY023674.D

Acq: 04 Nov 2025 14:53

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2025

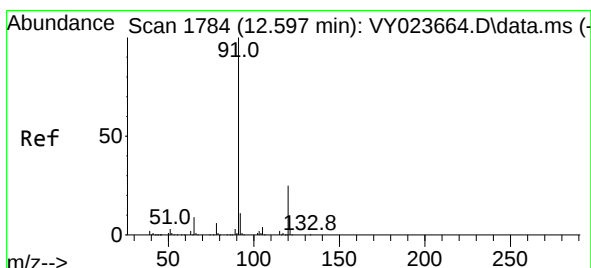
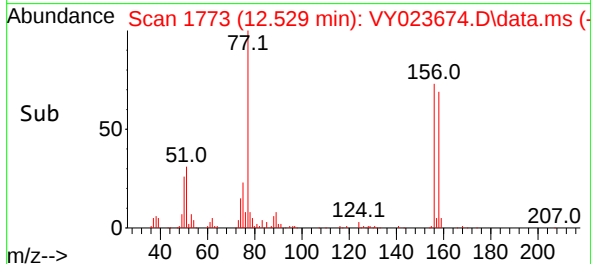
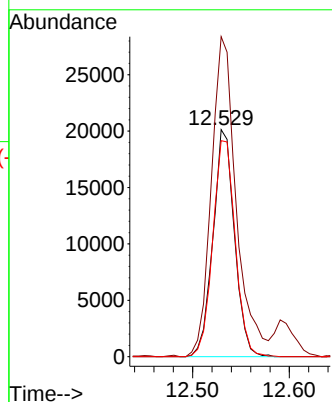
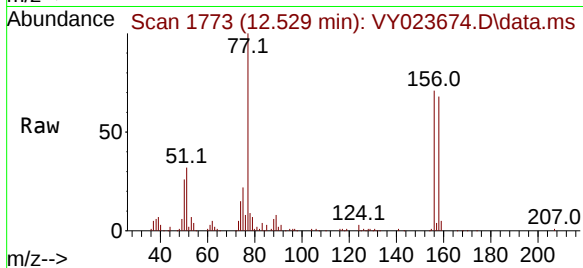
Tgt Ion:	156	Resp:	31040
Ion Ratio	Lower	Upper	
156	100		
77	163.3	77.9	233.7
158	99.5	48.5	145.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/06/2025

Supervised By :Semsettin Yesilyurt 11/06/2025



#78

n-propylbenzene

Concen: 5.095 ug/l

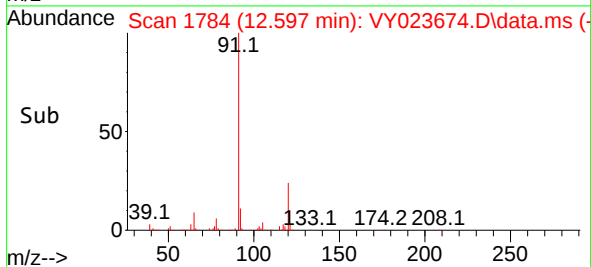
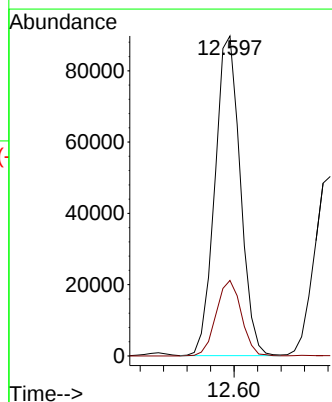
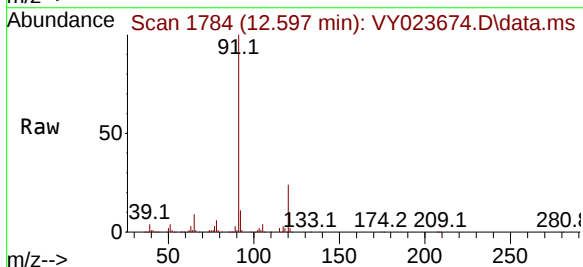
RT: 12.597 min Scan# 1784

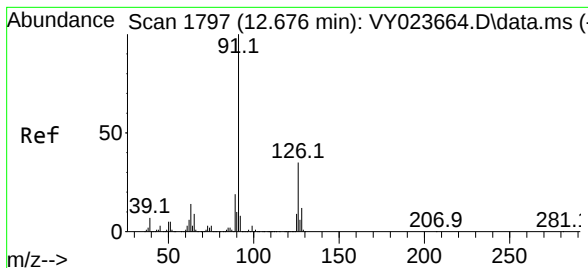
Delta R.T. -0.000 min

Lab File: VY023674.D

Acq: 04 Nov 2025 14:53

Tgt Ion:	91	Resp:	134412
Ion Ratio	Lower	Upper	
91	100		
120	23.5	12.0	36.1





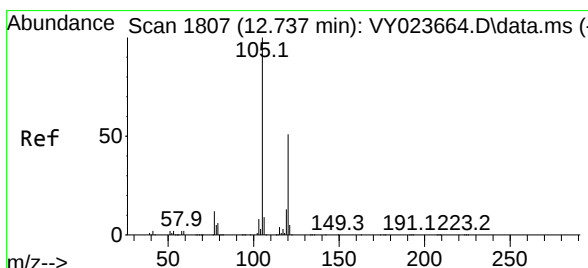
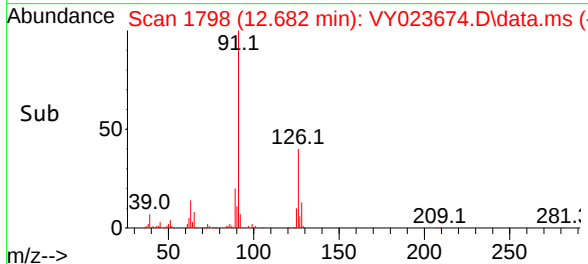
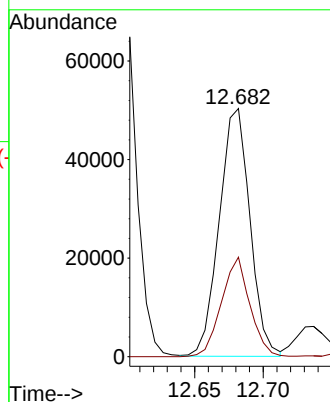
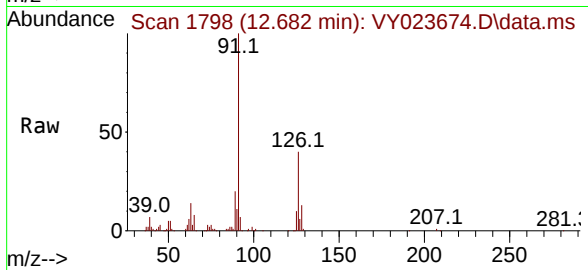
#79
2-Chlorotoluene
Concen: 5.135 ug/l
RT: 12.682 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2025

Tgt Ion: 91 Resp: 7861
Ion Ratio Lower Upper
91 100
126 37.1 18.0 54.0

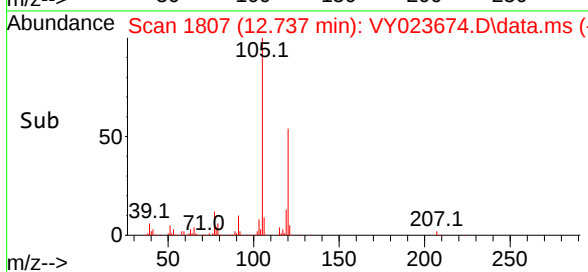
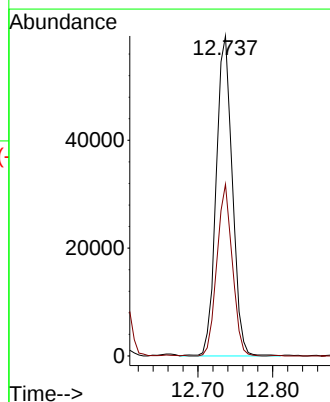
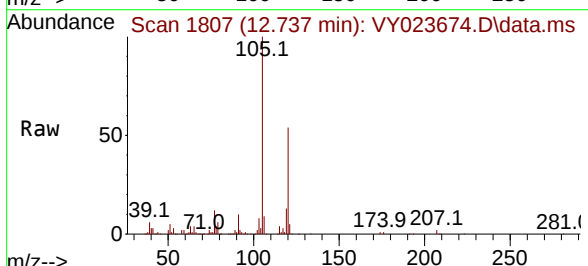
Manual Integrations
APPROVED

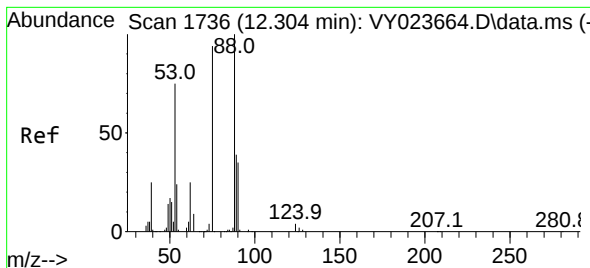
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#80
1,3,5-Trimethylbenzene
Concen: 4.908 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53

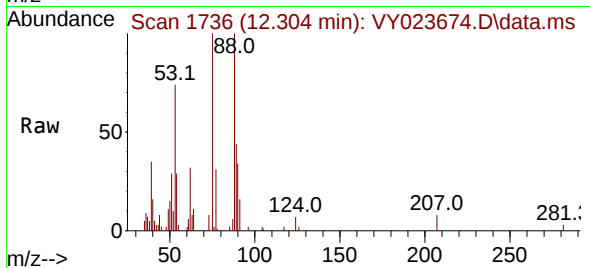
Tgt Ion:105 Resp: 89448
Ion Ratio Lower Upper
105 100
120 51.2 25.4 76.2





#81
trans-1,4-Dichloro-2-butene
Concen: 5.116 ug/l
RT: 12.304 min Scan# 1736
Delta R.T. -0.000 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53

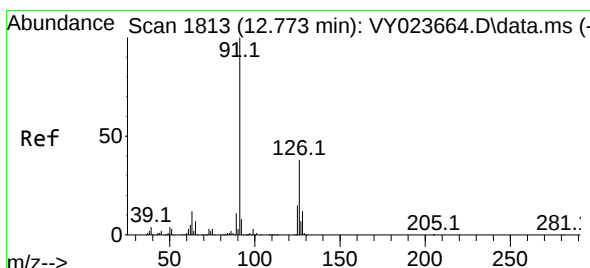
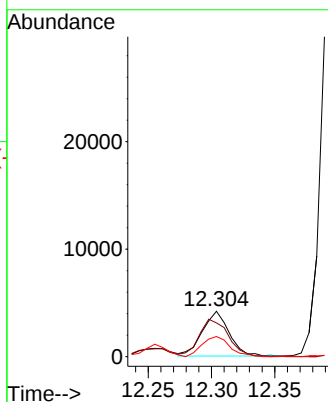
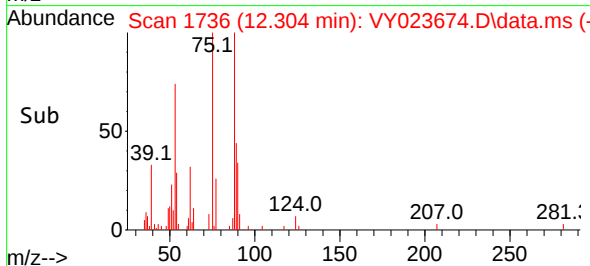
Instrument : MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2025



Tgt Ion: 75 Resp: 6144
Ion Ratio Lower Upper
75 100
53 91.7 69.6 104.4
89 46.5 38.2 57.4

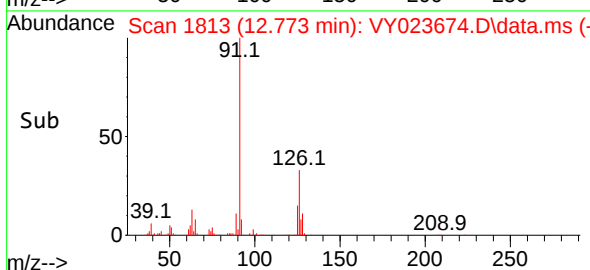
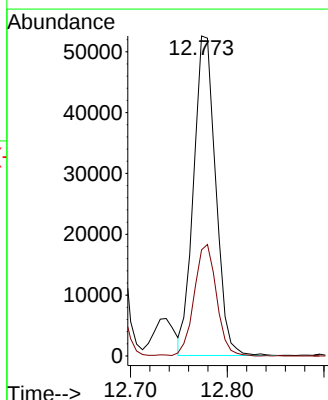
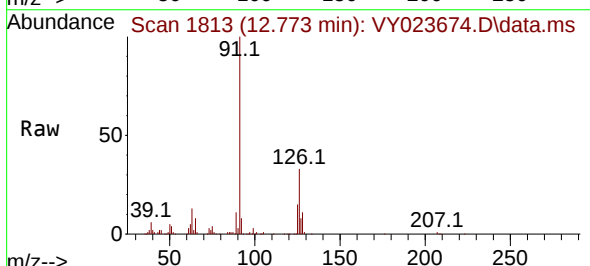
Manual Integrations
APPROVED

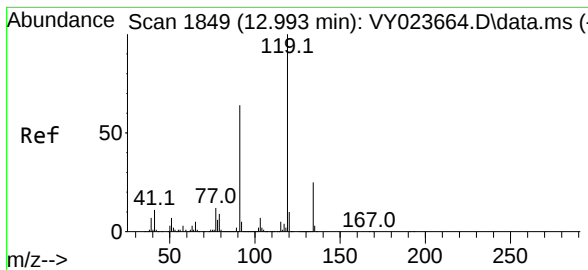
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#82
4-Chlorotoluene
Concen: 5.287 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53

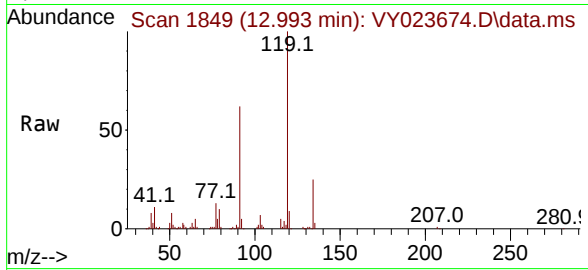
Tgt Ion: 91 Resp: 83470
Ion Ratio Lower Upper
91 100
126 35.4 18.1 54.4





#83
tert-Butylbenzene
Concen: 4.926 ug/l
RT: 12.993 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53

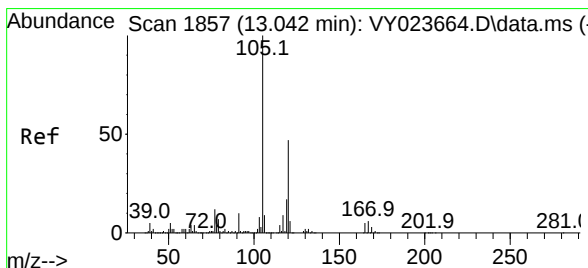
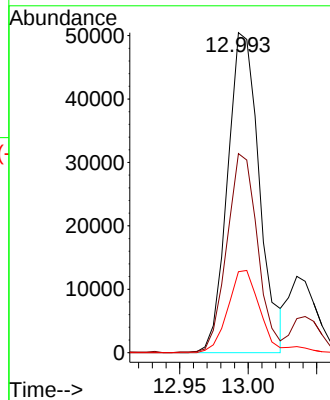
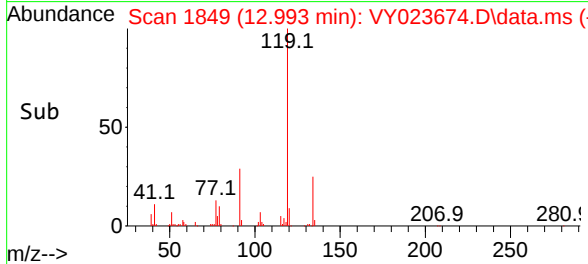
Instrument : MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2025



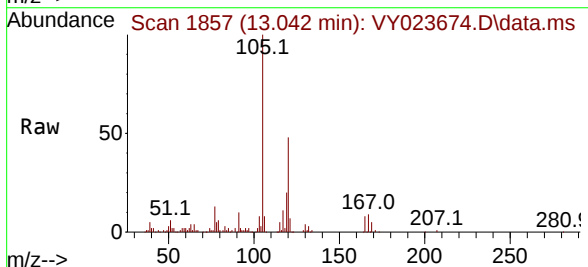
Tgt Ion:119 Resp: 81764
Ion Ratio Lower Upper
119 100
91 60.1 30.7 92.1
134 26.6 13.1 39.1

Manual Integrations
APPROVED

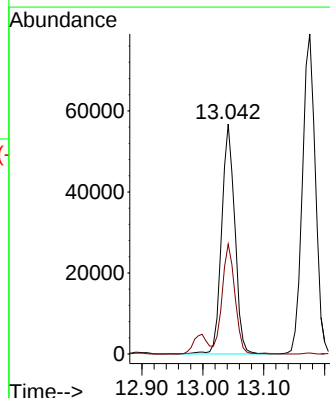
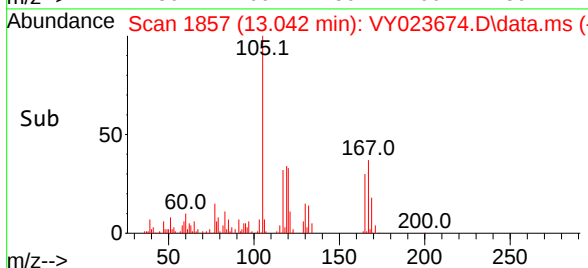
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025

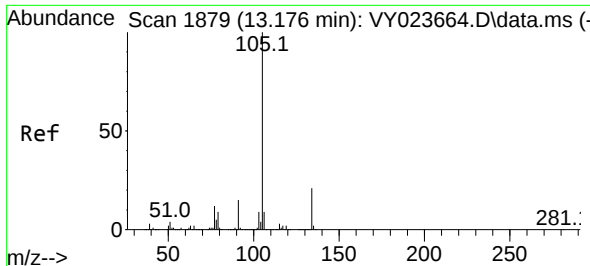


#84
1,2,4-Trimethylbenzene
Concen: 4.718 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53



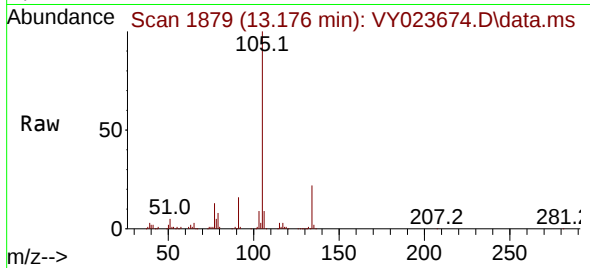
Tgt Ion:105 Resp: 85155
Ion Ratio Lower Upper
105 100
120 46.1 23.2 69.6





#85
 sec-Butylbenzene
 Concen: 4.877 ug/l
 RT: 13.176 min Scan# 1879
 Delta R.T. -0.000 min
 Lab File: VY023674.D
 Acq: 04 Nov 2025 14:53

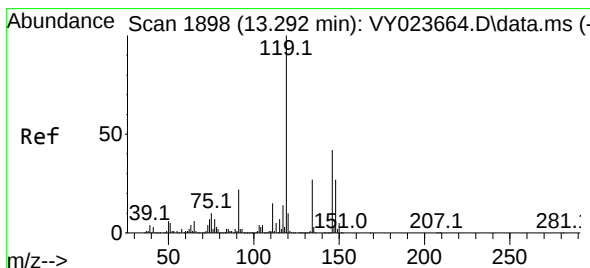
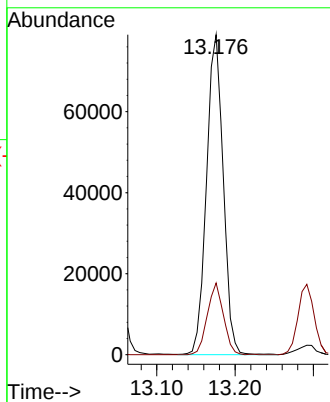
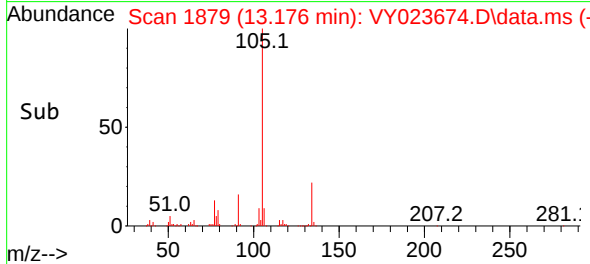
Instrument : MSVOA_Y
 ClientSampleId : LOQ-SOIL-02-QT4-2025



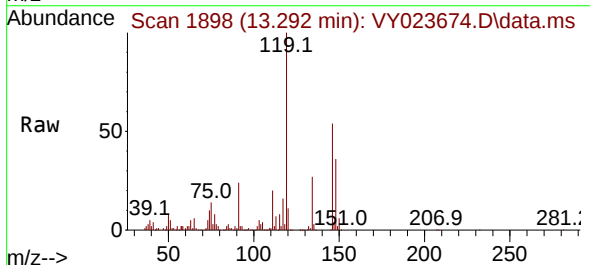
Tgt Ion:105 Resp: 116760
 Ion Ratio Lower Upper
 105 100
 134 21.6 10.4 31.4

Manual Integrations
 APPROVED

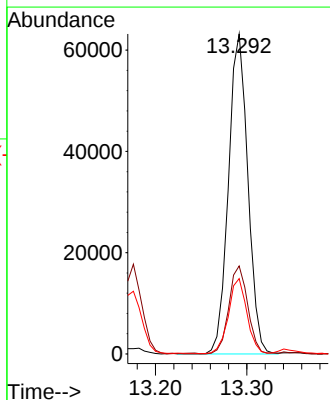
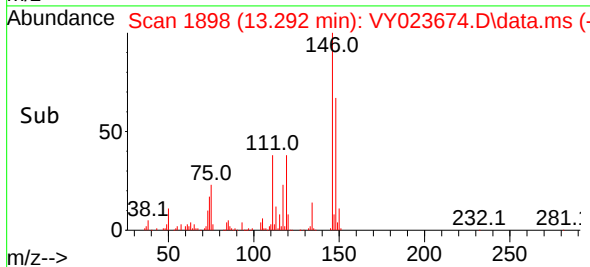
Reviewed By :Amit Patel 11/06/2025
 Supervised By :Semsettin Yesilyurt 11/06/2025

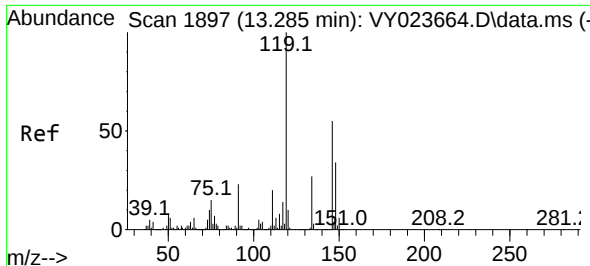


#86
 p-Isopropyltoluene
 Concen: 4.607 ug/l
 RT: 13.292 min Scan# 1898
 Delta R.T. -0.000 min
 Lab File: VY023674.D
 Acq: 04 Nov 2025 14:53



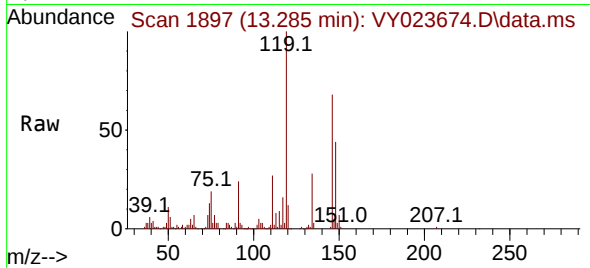
Tgt Ion:119 Resp: 93357
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.4 40.2
 91 22.5 11.1 33.1





#87
1,3-Dichlorobenzene
Concen: 5.061 ug/l
RT: 13.285 min Scan# 1897
Delta R.T. -0.000 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53

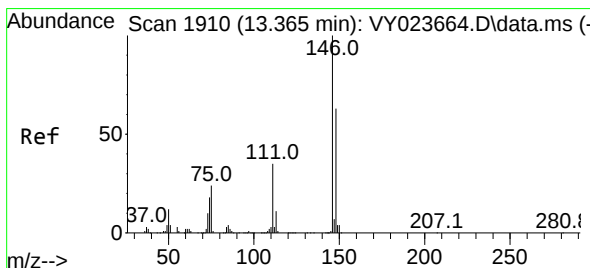
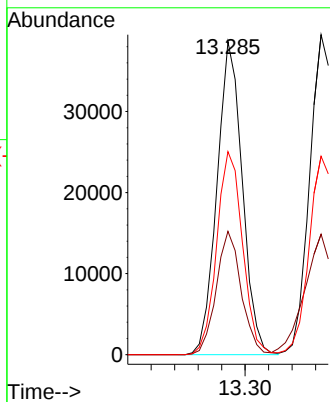
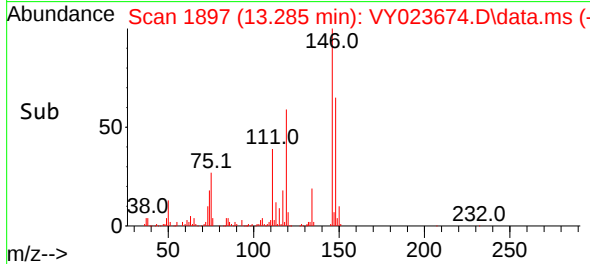
Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT4-2025



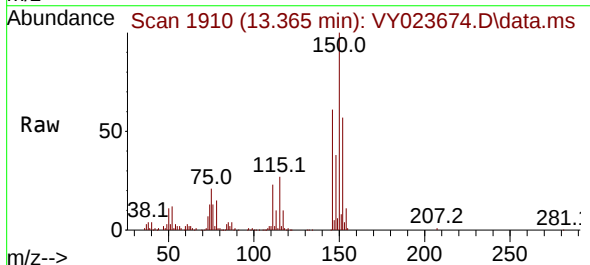
Tgt Ion:146 Resp: 57948
Ion Ratio Lower Upper
146 100
111 38.9 18.8 56.3
148 66.2 31.9 95.5

Manual Integrations
APPROVED

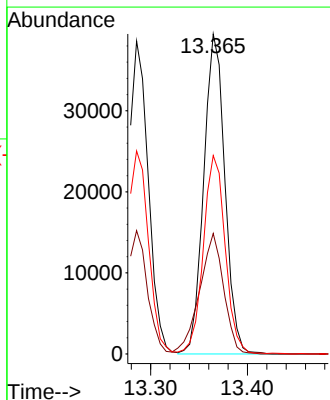
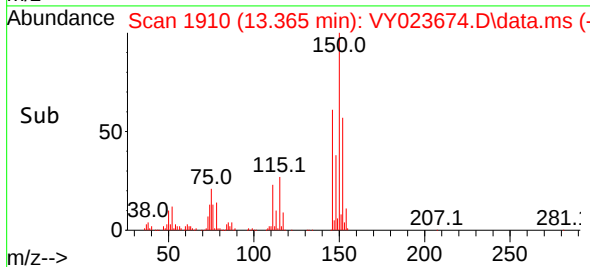
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025

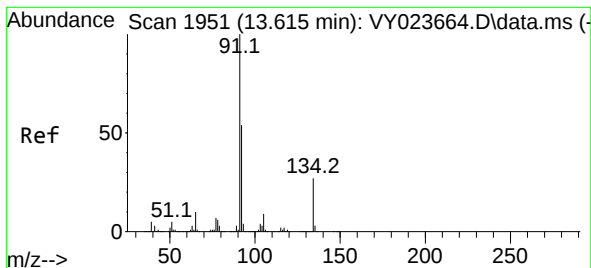


#88
1,4-Dichlorobenzene
Concen: 5.344 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53



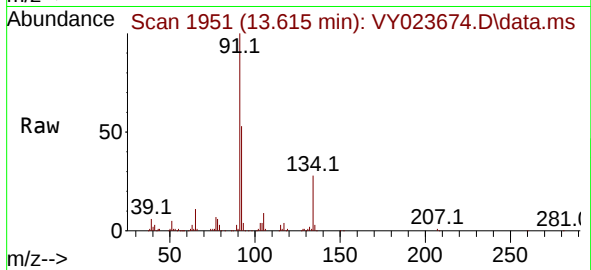
Tgt Ion:146 Resp: 60108
Ion Ratio Lower Upper
146 100
111 43.0 18.3 54.8
148 64.4 31.8 95.3





#89
n-Butylbenzene
Concen: 4.699 ug/l
RT: 13.615 min Scan# 1951
Delta R.T. -0.000 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53

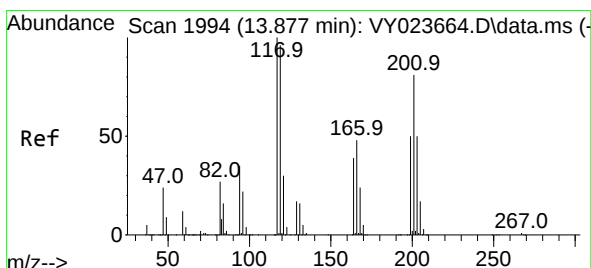
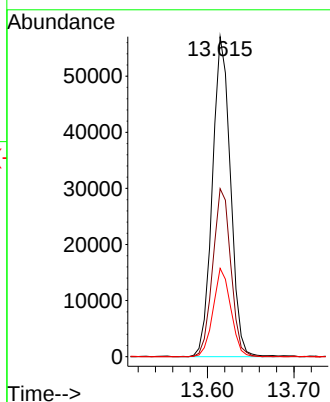
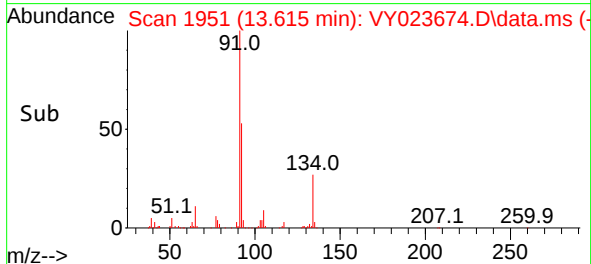
Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT4-2025



Tgt Ion: 91 Resp: 82812
Ion Ratio Lower Upper
91 100
92 52.3 26.5 79.4
134 26.9 13.7 41.1

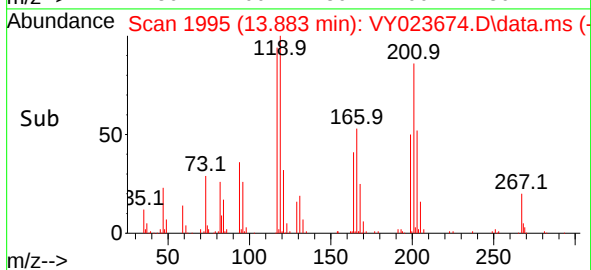
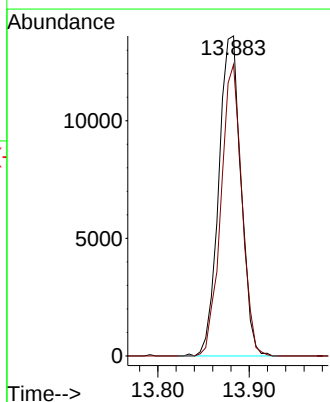
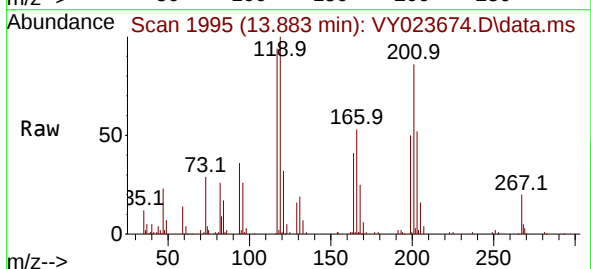
Manual Integrations
APPROVED

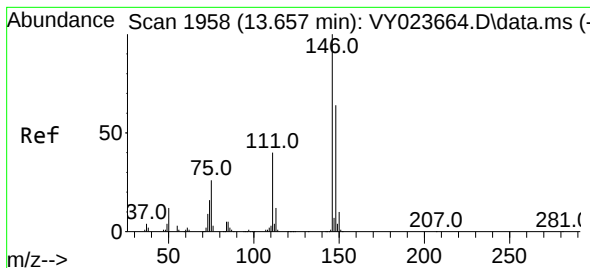
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#90
Hexachloroethane
Concen: 5.287 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53

Tgt Ion:117 Resp: 23023
Ion Ratio Lower Upper
117 100
201 85.7 42.3 126.8





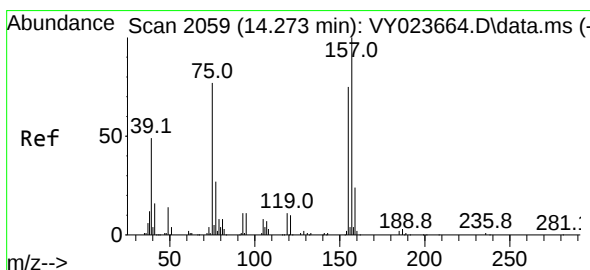
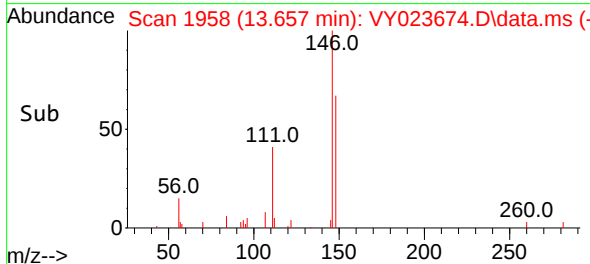
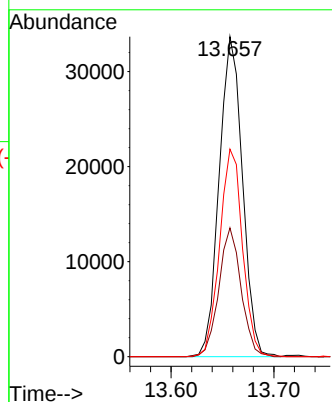
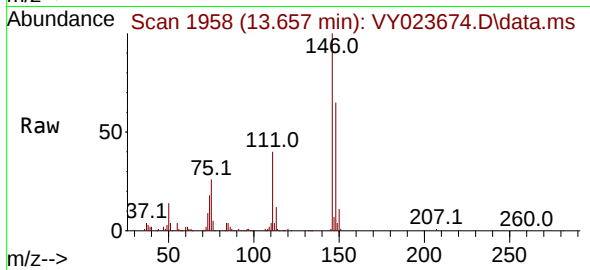
#91
1,2-Dichlorobenzene
Concen: 5.362 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. -0.000 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53

Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT4-2025

Tgt Ion:146 Resp: 5291
Ion Ratio Lower Upper
146 100
111 38.5 19.5 58.5
148 63.8 31.9 95.9

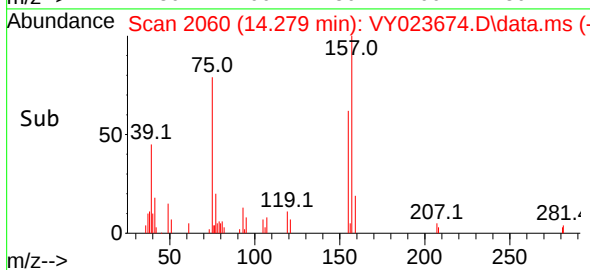
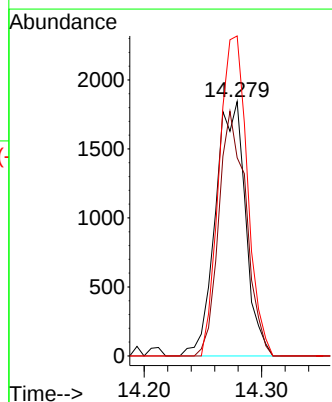
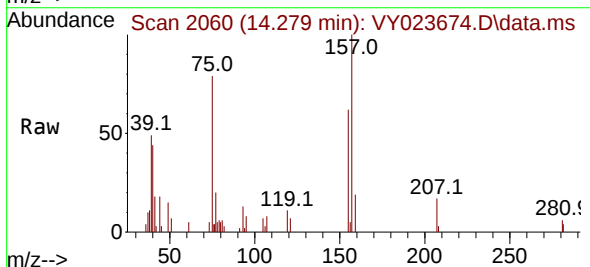
Manual Integrations
APPROVED

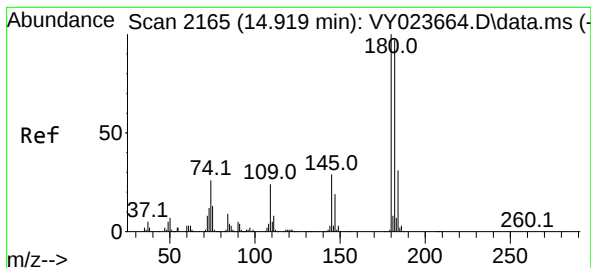
Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 5.923 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53

Tgt Ion: 75 Resp: 3267
Ion Ratio Lower Upper
75 100
155 87.6 49.4 148.2
157 118.2 63.2 189.8





#93

1,2,4-Trichlorobenzene

Concen: 4.654 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. -0.000 min

Lab File: VY023674.D

Acq: 04 Nov 2025 14:53

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT4-2025

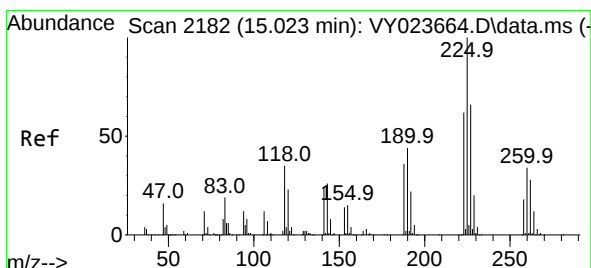
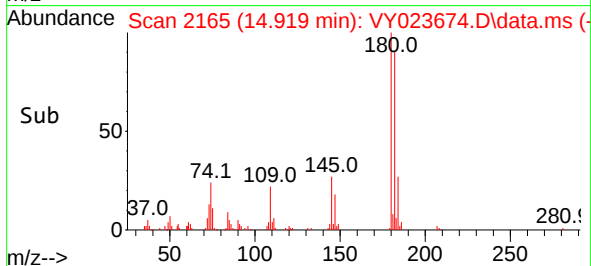
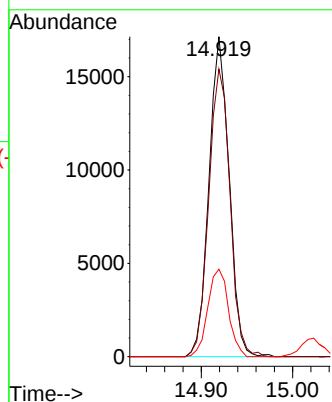
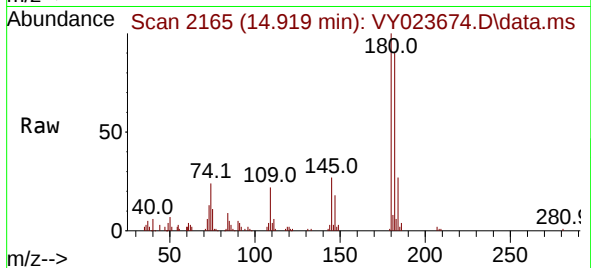
Tgt Ion:180	Resp:	26269
Ion Ratio	Lower	Upper
180	100	
182	94.6	47.5 142.6
145	27.9	14.4 43.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/06/2025

Supervised By :Semsettin Yesilyurt 11/06/2025



#94

Hexachlorobutadiene

Concen: 5.131 ug/l

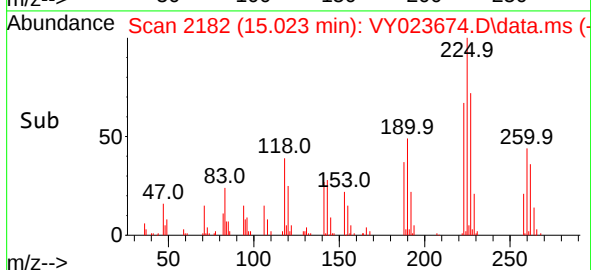
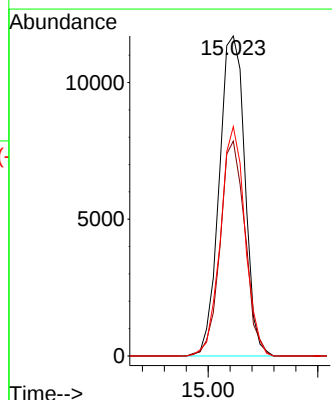
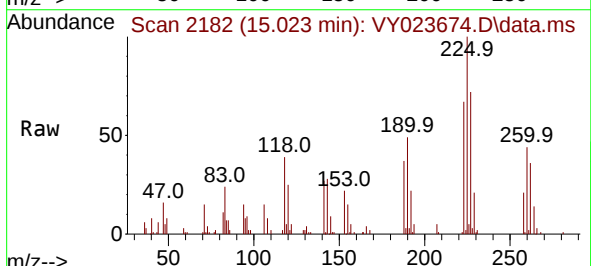
RT: 15.023 min Scan# 2182

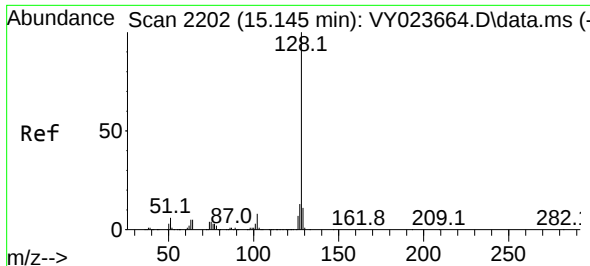
Delta R.T. -0.000 min

Lab File: VY023674.D

Acq: 04 Nov 2025 14:53

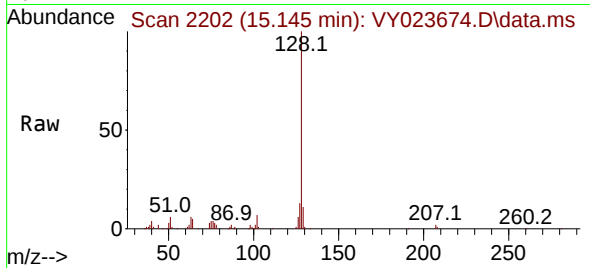
Tgt Ion:225	Resp:	18977
Ion Ratio	Lower	Upper
225	100	
223	65.2	30.8 92.3
227	68.7	32.0 96.2





#95
Naphthalene
Concen: 4.134 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. -0.000 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53

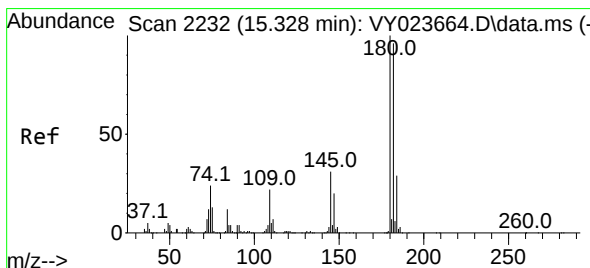
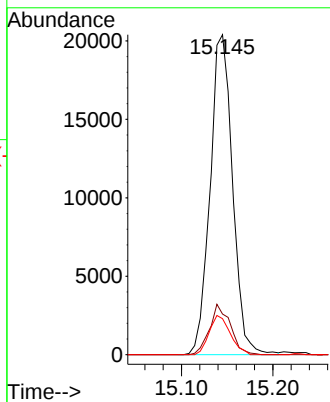
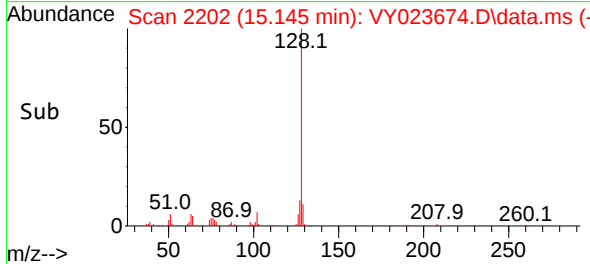
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT4-2025



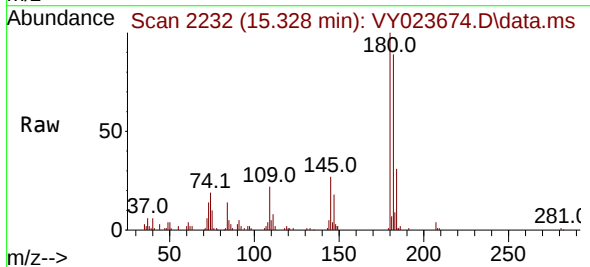
Tgt Ion:128 Resp: 34860
Ion Ratio Lower Upper
128 100
127 14.6 10.5 15.7
129 11.5 8.8 13.2

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/06/2025
Supervised By :Semsettin Yesilyurt 11/06/2025



#96
1,2,3-Trichlorobenzene
Concen: 4.844 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY023674.D
Acq: 04 Nov 2025 14:53



Tgt Ion:180 Resp: 22842
Ion Ratio Lower Upper
180 100
182 94.6 47.5 142.6
145 29.0 15.5 46.5

