

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020625\
 Data File : VD080251.D
 Acq On : 06 Feb 2025 15:57
 Operator : RP/MD
 Sample : Q1168-01 4PPB
 Misc : 5.00G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2025

Quant Time: Feb 07 01:14:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D020325S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 07 01:12:13 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/07/2025
 Supervised By :Semsettin Yesilyurt 02/07/2025

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	103355	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	179995	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	169922	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	88413	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	67714	50.366	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.740%			
35) Dibromofluoromethane	7.805	113	63281	49.606	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.220%			
50) Toluene-d8	10.269	98	217647	46.007	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 92.020%			
62) 4-Bromofluorobenzene	12.569	95	68225	44.946	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 89.900%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	5282	4.325	ug/l	98
3) Chloromethane	2.152	50	10387	4.824	ug/l	99
4) Vinyl Chloride	2.281	62	12089	4.641	ug/l	96
5) Bromomethane	2.687	94	9106	4.534	ug/l	99
6) Chloroethane	2.828	64	8207	4.731	ug/l	97
7) Trichlorofluoromethane	3.164	101	9887	4.581	ug/l	94
8) Diethyl Ether	3.593	74	2688	4.552	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.964	101	6173	4.941	ug/l	97
10) Methyl Iodide	4.164	142	5115	5.730	ug/l	97
11) Tert butyl alcohol	5.058	59	2033	27.375	ug/l	100
12) 1,1-Dichloroethene	3.940	96	5356	4.525	ug/l	95
13) Acrolein	3.793	56	3277	23.402	ug/l	94
14) Allyl chloride	4.569	41	8002	4.387	ug/l	97
15) Acrylonitrile	5.258	53	5961	21.012	ug/l #	91
16) Acetone	4.034	43	5576	25.734	ug/l	94
17) Carbon Disulfide	4.275	76	18770	4.397	ug/l #	92
18) Methyl Acetate	4.569	43	4446	6.081	ug/l #	75
19) Methyl tert-butyl Ether	5.328	73	10779m	4.137	ug/l	
20) Methylene Chloride	4.805	84	7474	5.083	ug/l #	87
21) trans-1,2-Dichloroethene	5.316	96	5764	4.287	ug/l	95
22) Diisopropyl ether	6.228	45	13828	3.643	ug/l	96
23) Vinyl Acetate	6.158	43	39595	18.068	ug/l	99
24) 1,1-Dichloroethane	6.116	63	11358	4.564	ug/l #	92
25) 2-Butanone	7.087	43	7015	20.873	ug/l #	86
26) 2,2-Dichloropropane	7.075	77	9108	4.220	ug/l	94
27) cis-1,2-Dichloroethene	7.087	96	6091	4.010	ug/l	96
28) Bromochloromethane	7.428	49	5508	4.851	ug/l	93
29) Tetrahydrofuran	7.440	42	4867	22.110	ug/l	94
30) Chloroform	7.599	83	11993	4.714	ug/l	96
31) Cyclohexane	7.869	56	9893	4.966	ug/l #	81
32) 1,1,1-Trichloroethane	7.793	97	9834	4.620	ug/l	97
36) 1,1-Dichloropropene	8.005	75	7157	3.917	ug/l	97
37) Ethyl Acetate	7.169	43	3750m	4.185	ug/l	
38) Carbon Tetrachloride	7.987	117	8736	4.577	ug/l #	82
39) Methylcyclohexane	9.269	83	7132	3.593	ug/l	96
40) Benzene	8.252	78	23849	4.164	ug/l #	88

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Manual Integrations
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Reviewed By :Mahesh Dadoda 02/07/2025
 Supervised By :Semsettin Yesilyurt 02/07/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.410	41	1520	3.082	ug/l #	80
42) 1,2-Dichloroethane	8.328	62	7744	4.752	ug/l	94
43) Isopropyl Acetate	8.363	43	7225	4.544	ug/l #	79
44) Trichloroethene	9.034	130	6067	4.586	ug/l	85
45) 1,2-Dichloropropane	9.310	63	6022	4.180	ug/l	94
46) Dibromomethane	9.399	93	4037	5.030	ug/l	87
47) Bromodichloromethane	9.587	83	9288	4.589	ug/l #	84
48) Methyl methacrylate	9.381	41	3258	4.428	ug/l	88
49) 1,4-Dioxane	9.399	88	683	78.228	ug/l #	59
51) 4-Methyl-2-Pentanone	10.157	43	15992	19.889	ug/l	97
52) Toluene	10.334	92	13949	4.164	ug/l	95
53) t-1,3-Dichloropropene	10.552	75	7617	4.415	ug/l #	87
54) cis-1,3-Dichloropropene	10.016	75	7895	3.762	ug/l	92
55) 1,1,2-Trichloroethane	10.734	97	4505	4.320	ug/l #	90
56) Ethyl methacrylate	10.593	69	5195	4.366	ug/l	97
57) 1,3-Dichloropropane	10.881	76	7814	4.530	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.875	63	8816	17.359	ug/l	92
59) 2-Hexanone	10.922	43	10268	19.461	ug/l	97
60) Dibromochloromethane	11.069	129	6351	4.941	ug/l	99
61) 1,2-Dibromoethane	11.181	107	4493	4.731	ug/l	93
64) Tetrachloroethene	10.804	164	4761	4.011	ug/l	92
65) Chlorobenzene	11.604	112	17260	4.431	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	6400	4.697	ug/l	96
67) Ethyl Benzene	11.681	91	22601	3.488	ug/l	91
68) m/p-Xylenes	11.793	106	17160	6.822	ug/l	96
69) o-Xylene	12.116	106	7849	3.422	ug/l	97
70) Styrene	12.134	104	14073	3.447	ug/l	98
71) Bromoform	12.298	173	3601	4.483	ug/l #	99
73) Isopropylbenzene	12.416	105	19825	3.315	ug/l	100
74) N-amyl acetate	12.240	43	6266	3.986	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.675	83	5798	4.659	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	3914m	4.377	ug/l	
77) Bromobenzene	12.693	156	6212	4.027	ug/l	90
78) n-propylbenzene	12.763	91	26279	3.451	ug/l	100
79) 2-Chlorotoluene	12.845	91	16406	3.793	ug/l	96
80) 1,3,5-Trimethylbenzene	12.898	105	16699	3.339	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.469	75	1812	4.143	ug/l	96
82) 4-Chlorotoluene	12.945	91	16608	3.613	ug/l	99
83) tert-Butylbenzene	13.163	119	14098	3.448	ug/l	97
84) 1,2,4-Trimethylbenzene	13.210	105	15660	3.076	ug/l	88
85) sec-Butylbenzene	13.340	105	21543	3.446	ug/l	96
86) p-Isopropyltoluene	13.457	119	18292	3.427	ug/l	96
87) 1,3-Dichlorobenzene	13.457	146	11776	3.876	ug/l	98
88) 1,4-Dichlorobenzene	13.534	146	12623	4.105	ug/l	90
89) n-Butylbenzene	13.787	91	17880	3.447	ug/l	99
90) Hexachloroethane	14.051	117	5443	4.588	ug/l	94
91) 1,2-Dichlorobenzene	13.828	146	10773	4.024	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.440	75	999	5.046	ug/l	86
93) 1,2,4-Trichlorobenzene	15.098	180	6338	3.714	ug/l	95
94) Hexachlorobutadiene	15.204	225	3404	3.683	ug/l	94
95) Naphthalene	15.334	128	10413	3.402	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.522	180	5731	3.721	ug/l	100

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LOD-MDL-SOIL-01-QT1-2025

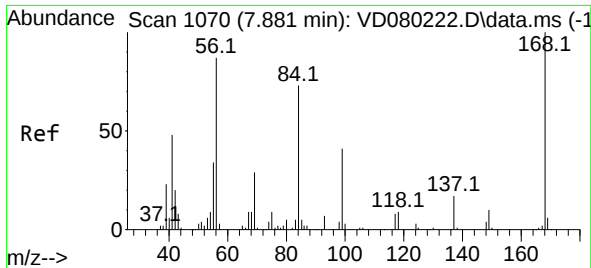
Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/07/2025
Supervised By :Semsettin Yesilyurt 02/07/2025

Quant Time: Feb 07 01:14:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D020325S.M
Quant Title : SW846 8260
QLast Update : Fri Feb 07 01:12:13 2025
Response via : Initial Calibration

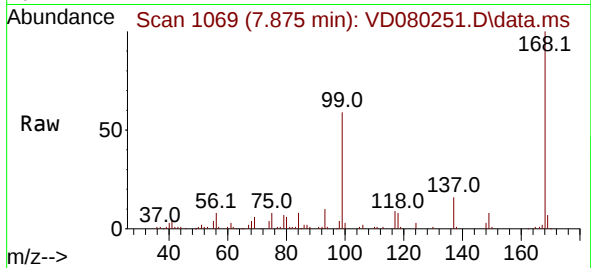
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1070
Delta R.T. -0.006 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57

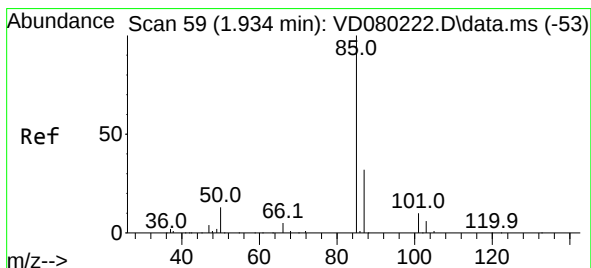
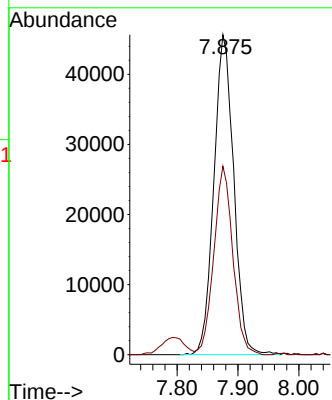
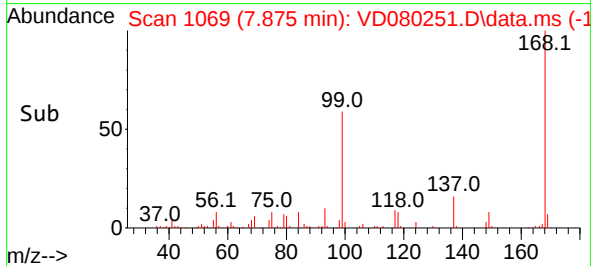
Instrument : MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:168 Resp: 10335
Ion Ratio Lower Upper
168 100
99 58.6 44.4 66.6

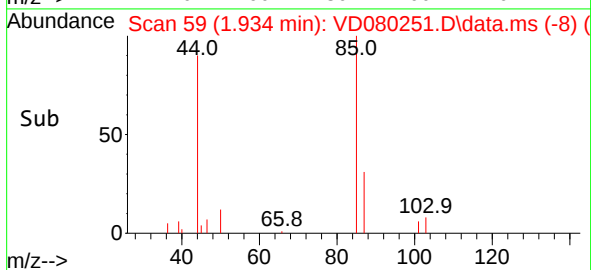
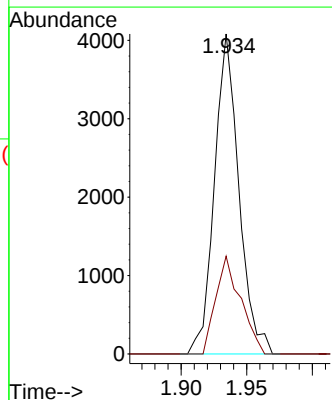
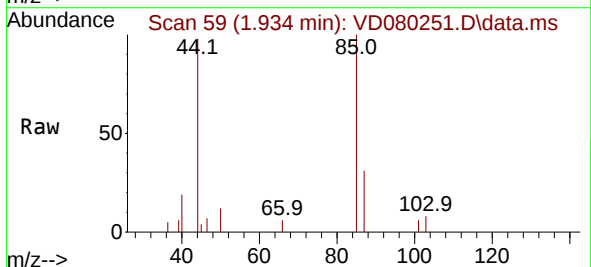
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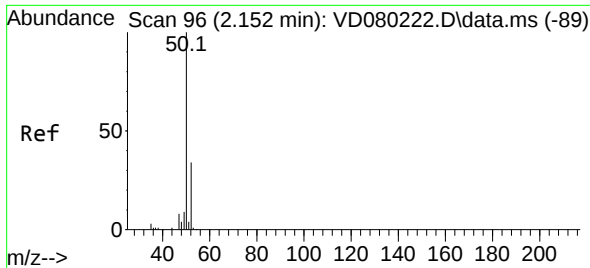
Reviewed By :Mahesh Dadoda 02/07/2025
Supervised By :Semsettin Yesilyurt 02/07/2025



#2
Dichlorodifluoromethane
Concen: 4.325 ug/l
RT: 1.934 min Scan# 59
Delta R.T. 0.000 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57

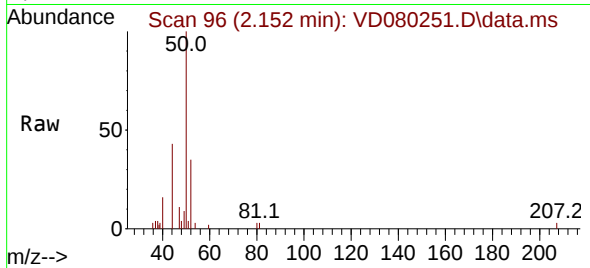
Tgt Ion: 85 Resp: 5282
Ion Ratio Lower Upper
85 100
87 30.6 16.0 47.9





#3
Chloromethane
Concen: 4.824 ug/l
RT: 2.152 min Scan# 96
Delta R.T. -0.000 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57

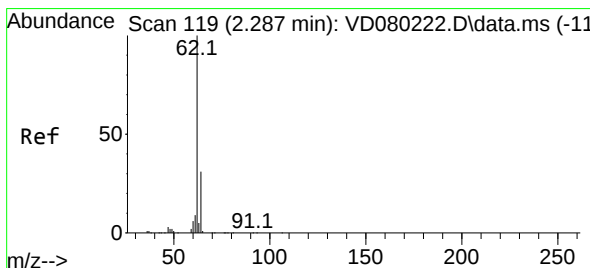
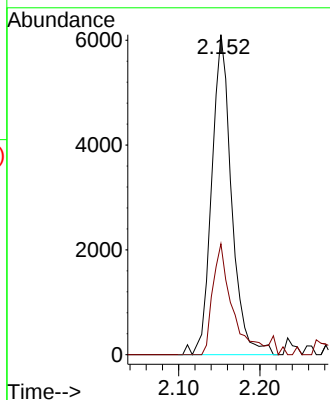
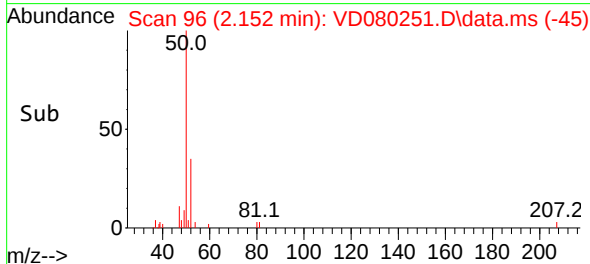
Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



Tgt Ion: 50 Resp: 1038
Ion Ratio Lower Upper
50 100
52 34.6 27.2 40.8

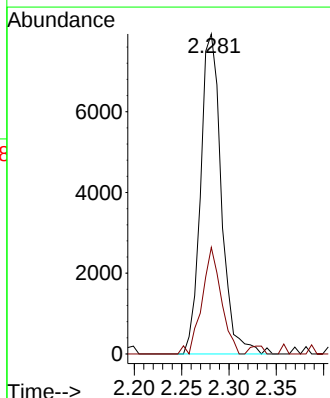
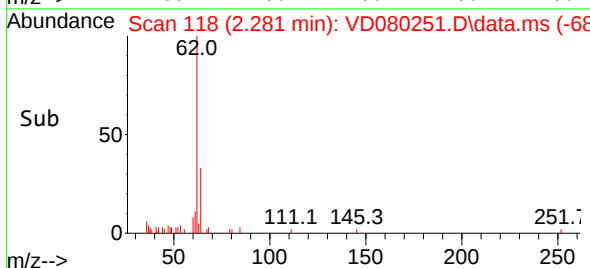
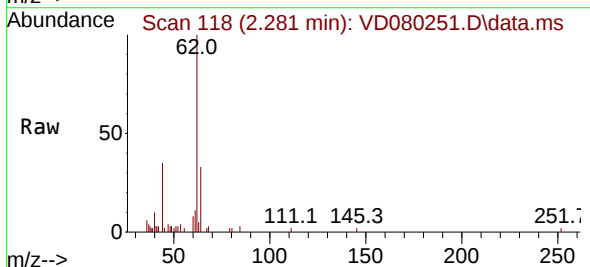
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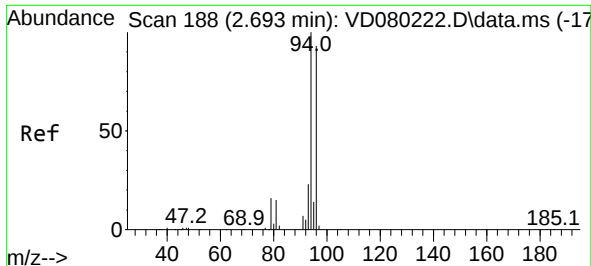
Reviewed By :Mahesh Dadoda 02/07/2025
Supervised By :Semsettin Yesilyurt 02/07/2025



#4
Vinyl Chloride
Concen: 4.641 ug/l
RT: 2.281 min Scan# 118
Delta R.T. -0.006 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57

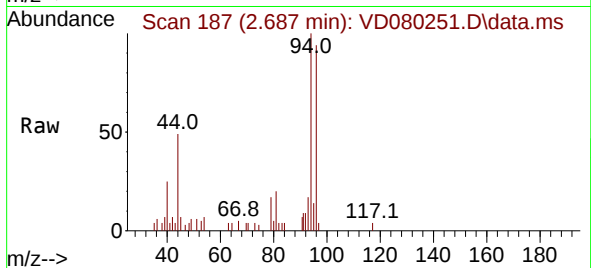
Tgt Ion: 62 Resp: 12089
Ion Ratio Lower Upper
62 100
64 33.3 24.8 37.2





#5
Bromomethane
Concen: 4.534 ug/l
RT: 2.687 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57

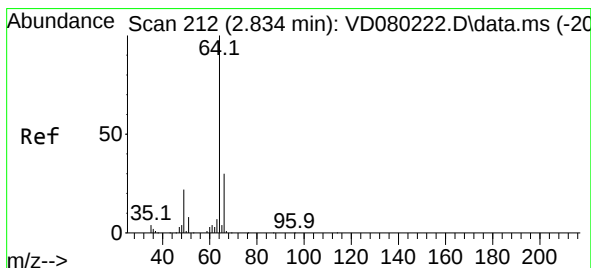
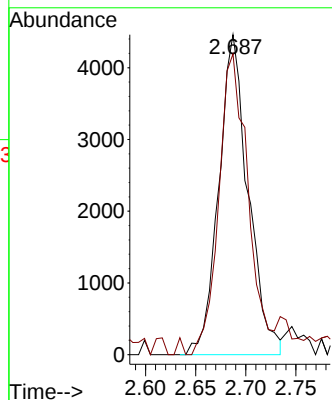
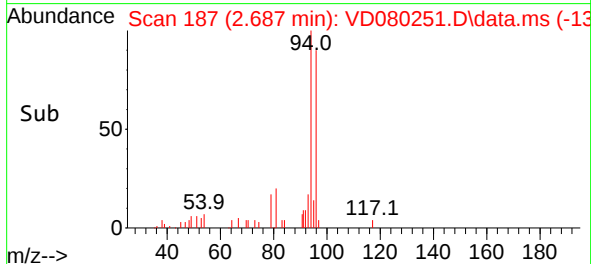
Instrument : MSVOA_D
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Tgt Ion: 94 Resp: 9100
Ion Ratio Lower Upper
94 100
96 93.6 74.4 111.6

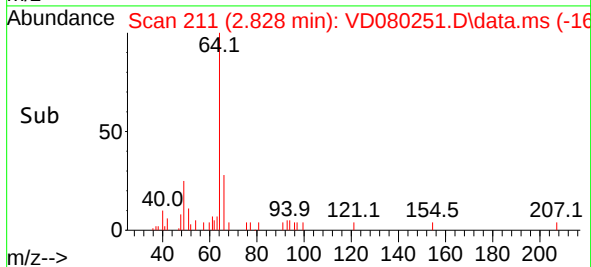
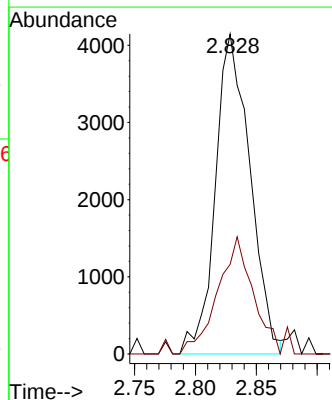
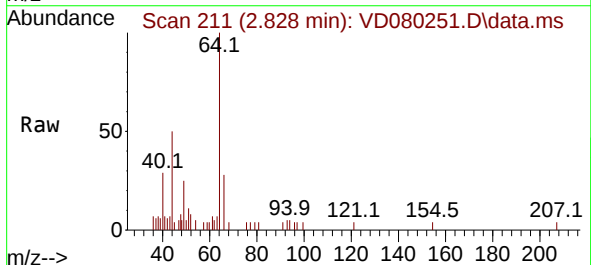
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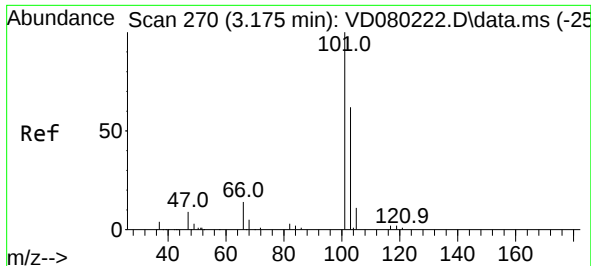
Reviewed By :Mahesh Dadoda 02/07/2025
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#6
Chloroethane
Concen: 4.731 ug/l
RT: 2.828 min Scan# 211
Delta R.T. -0.006 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57

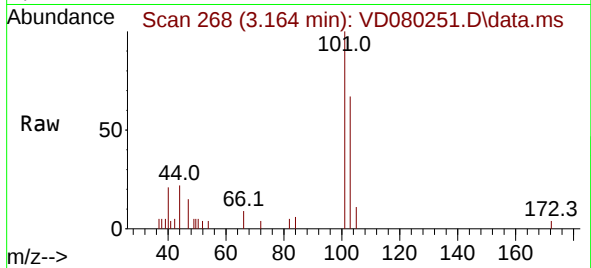
Tgt Ion: 64 Resp: 8207
Ion Ratio Lower Upper
64 100
66 28.0 23.8 35.8





#7
 Trichlorofluoromethane
 Concen: 4.581 ug/l
 RT: 3.164 min Scan# 20
 Delta R.T. -0.011 min
 Lab File: VD080251.D
 Acq: 06 Feb 2025 15:57

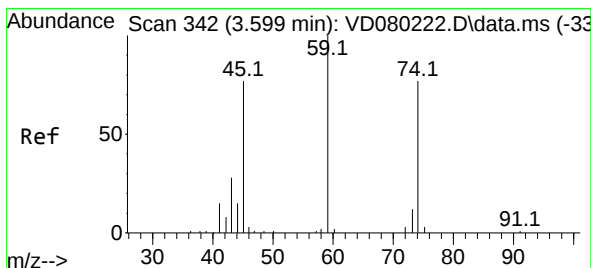
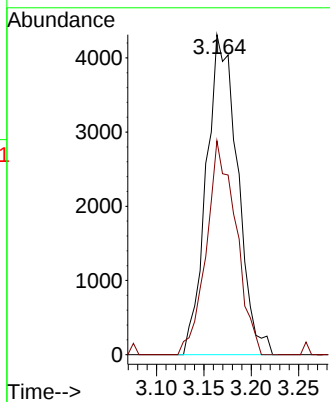
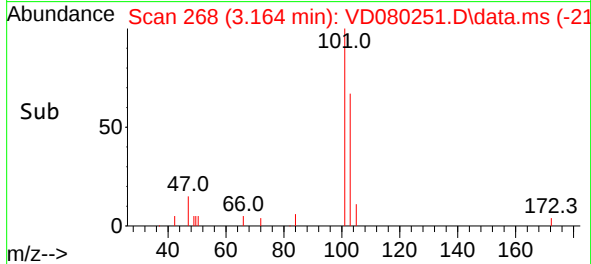
Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2025



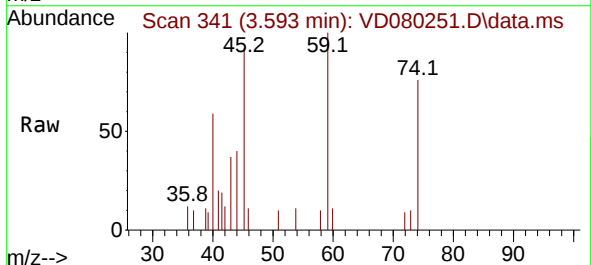
Tgt Ion:101 Resp: 988
 Ion Ratio Lower Upper
 101 100
 103 66.9 49.9 74.9

Manual Integrations
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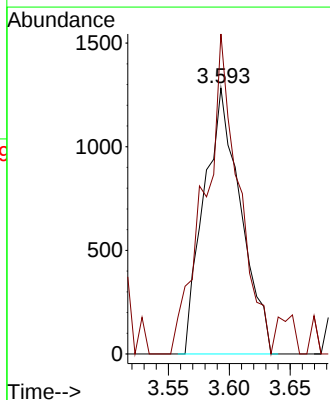
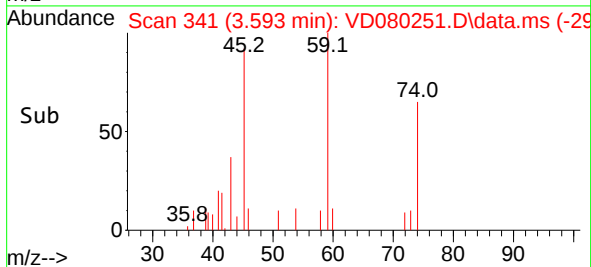
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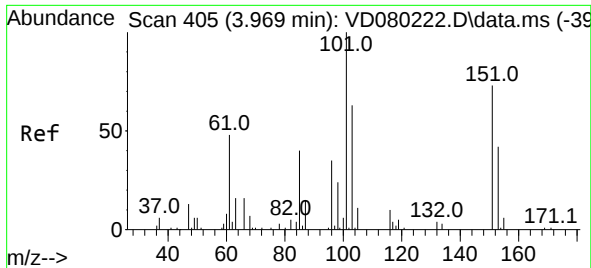


#8
 Diethyl Ether
 Concen: 4.552 ug/l
 RT: 3.593 min Scan# 341
 Delta R.T. -0.006 min
 Lab File: VD080251.D
 Acq: 06 Feb 2025 15:57



Tgt Ion: 74 Resp: 2688
 Ion Ratio Lower Upper
 74 100
 45 111.6 51.0 153.1





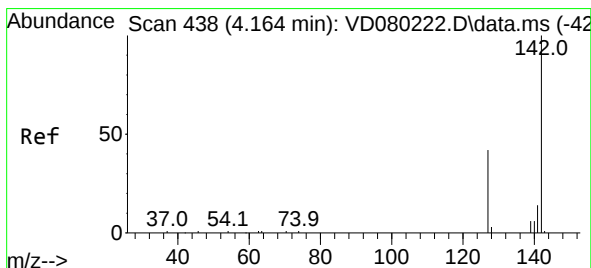
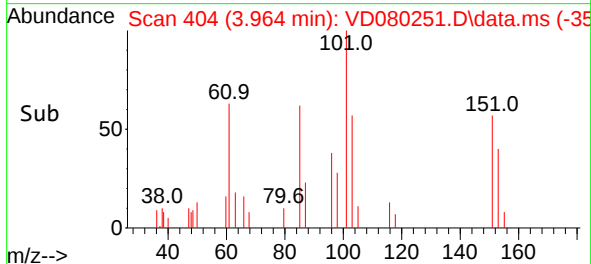
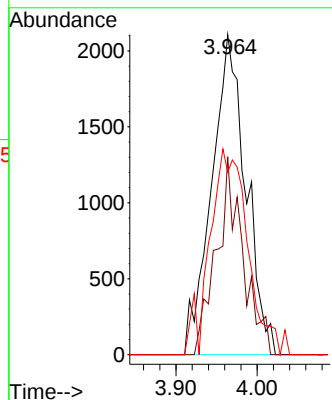
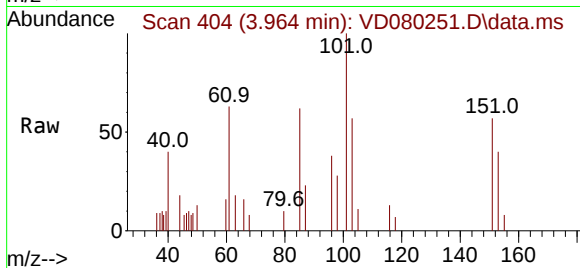
#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.941 ug/l
RT: 3.964 min Scan# 405
Delta R.T. -0.006 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

Tgt Ion:101 Resp: 617
Ion Ratio Lower Upper
101 100
85 47.8 36.2 54.4
151 71.8 59.0 88.6

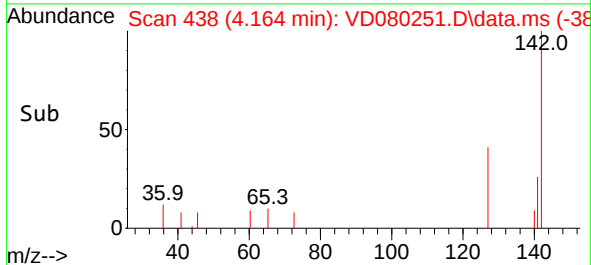
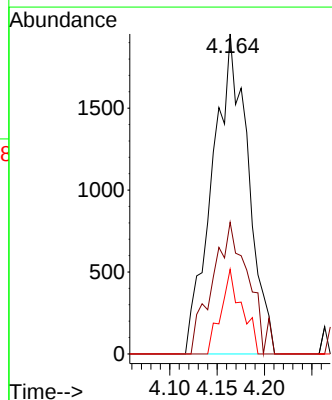
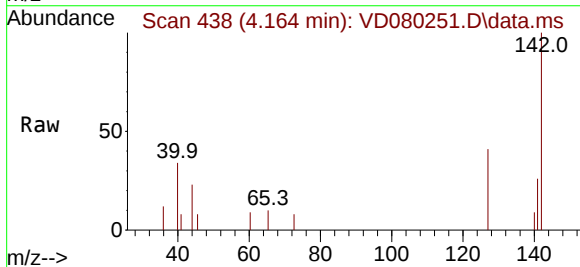
Manual Integrations
APPROVED

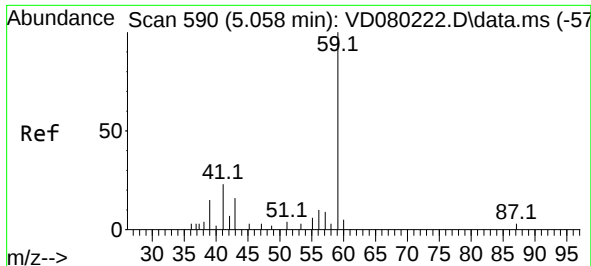
Reviewed By :Mahesh Dadoda 02/07/2025
Supervised By :Semsettin Yesilyurt 02/07/2025



#10
Methyl Iodide
Concen: 5.730 ug/l
RT: 4.164 min Scan# 438
Delta R.T. -0.000 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57

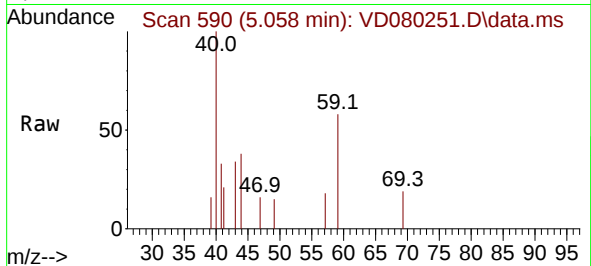
Tgt Ion:142 Resp: 5115
Ion Ratio Lower Upper
142 100
127 41.5 35.4 53.2
141 15.6 12.6 18.8





#11
Tert butyl alcohol
Concen: 27.375 ug/l
RT: 5.058 min Scan# 590
Delta R.T. 0.000 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57

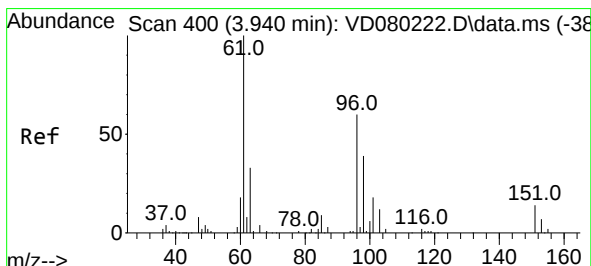
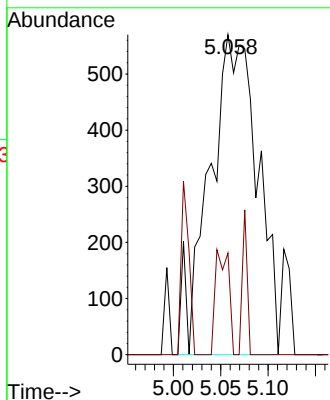
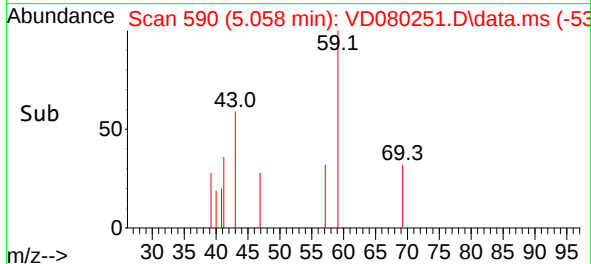
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



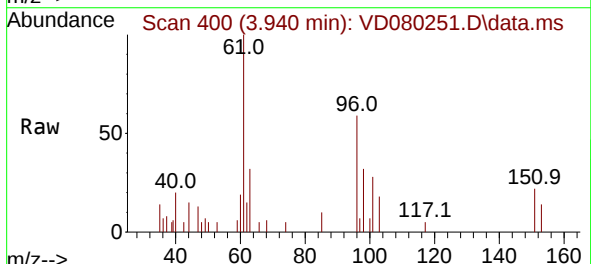
Tgt Ion: 59 Resp: 203
Ion Ratio Lower Upper
59 100
57 9.0 7.2 10.8

Manual Integrations
APPROVED

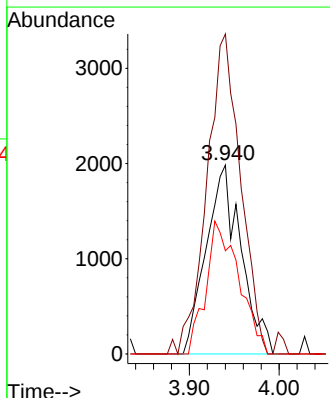
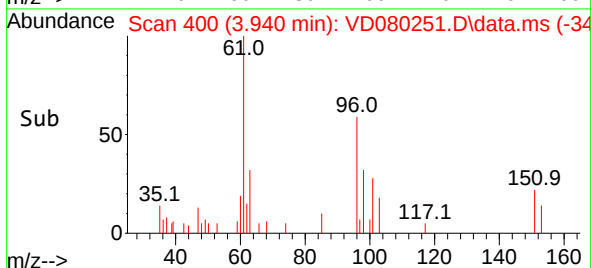
Reviewed By :Mahesh Dadoda 02/07/2025
Supervised By :Semsettin Yesilyurt 02/07/2025

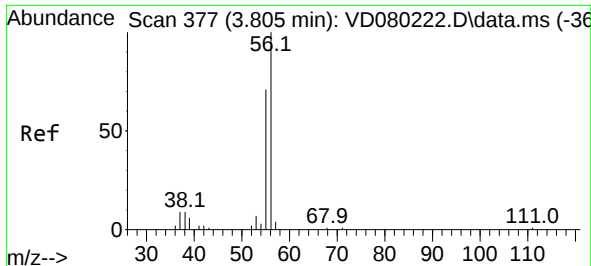


#12
1,1-Dichloroethene
Concen: 4.525 ug/l
RT: 3.940 min Scan# 400
Delta R.T. 0.000 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57



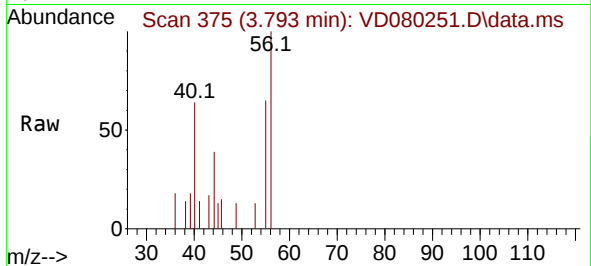
Tgt Ion: 96 Resp: 5356
Ion Ratio Lower Upper
96 100
61 169.4 133.8 200.6
98 54.6 52.2 78.2





#13
Acrolein
Concen: 23.402 ug/l
RT: 3.793 min Scan# 31
Delta R.T. -0.012 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57

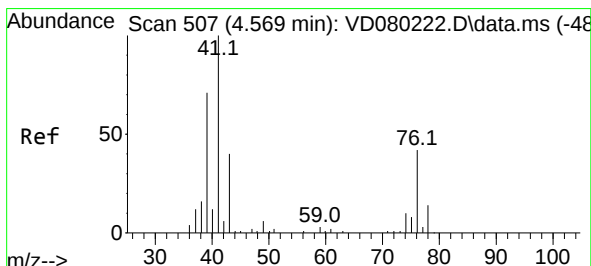
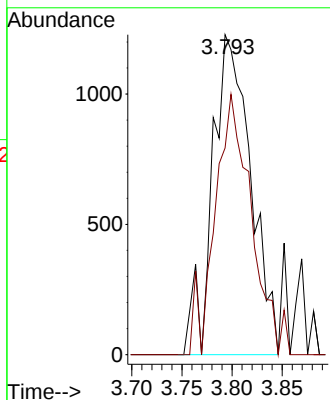
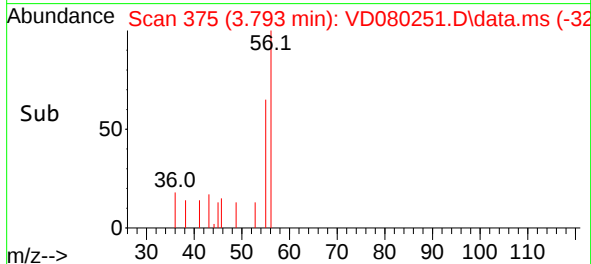
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion: 56 Resp: 327
Ion Ratio Lower Upper
56 100
55 77.1 57.8 86.8

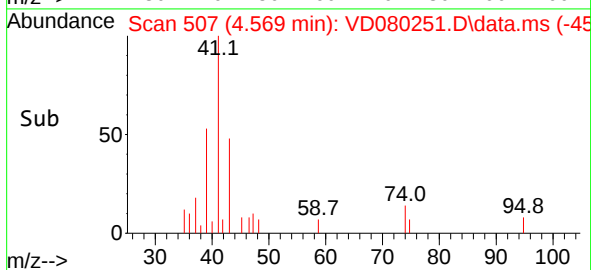
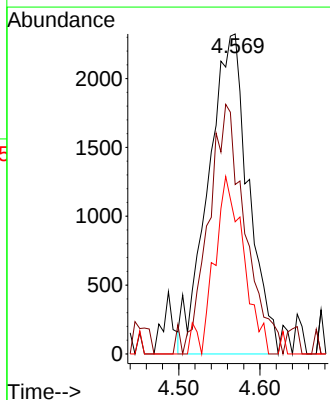
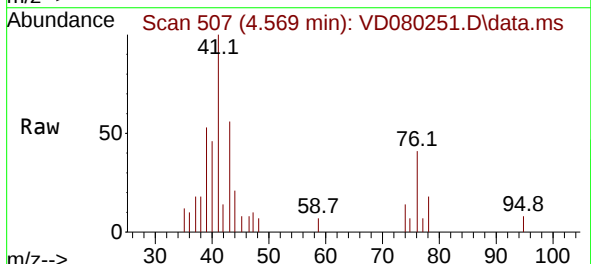
Manual Integrations
APPROVED

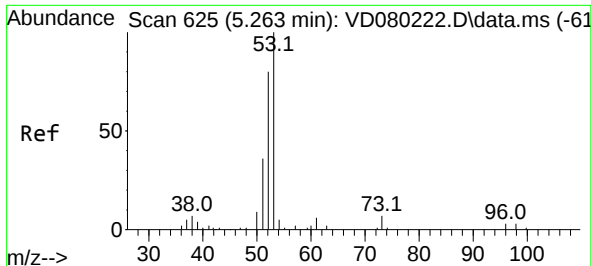
Reviewed By :Mahesh Dadoda 02/07/2025
Supervised By :Semsettin Yesilyurt 02/07/2025



#14
Allyl chloride
Concen: 4.387 ug/l
RT: 4.569 min Scan# 507
Delta R.T. 0.000 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57

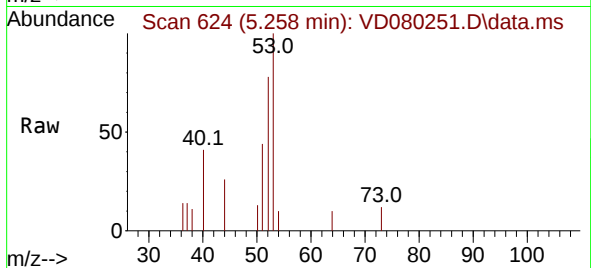
Tgt Ion: 41 Resp: 8002
Ion Ratio Lower Upper
41 100
39 70.7 55.0 82.4
76 40.6 31.0 46.4





#15
Acrylonitrile
Concen: 21.012 ug/l
RT: 5.258 min Scan# 61
Delta R.T. -0.006 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57

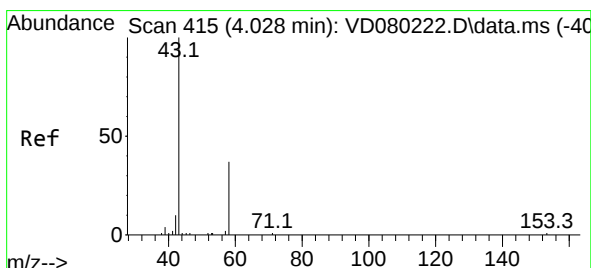
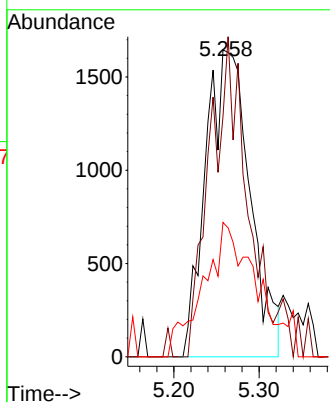
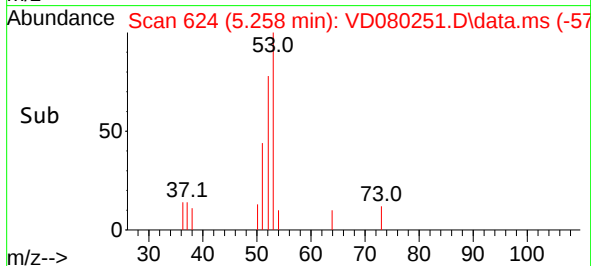
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion: 53 Resp: 596
Ion Ratio Lower Upper
53 100
52 86.2 65.9 98.9
51 49.5 30.1 45.1

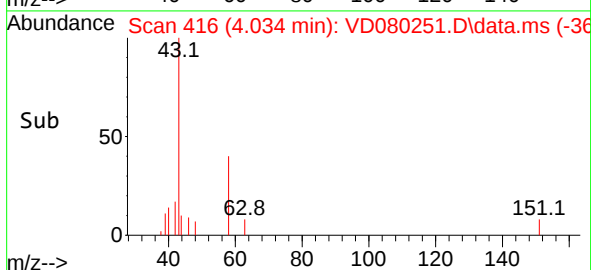
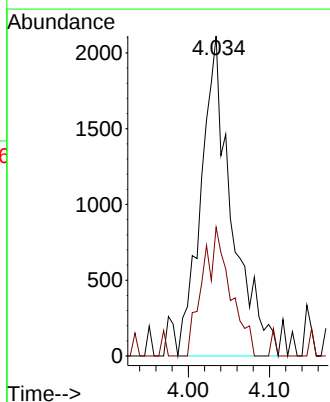
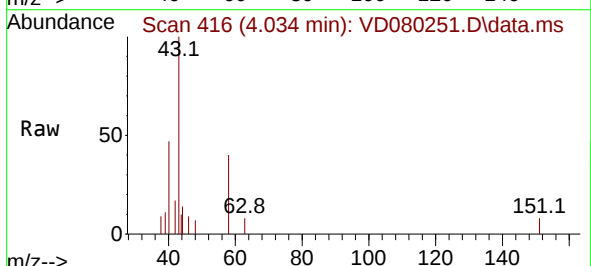
Manual Integrations
APPROVED

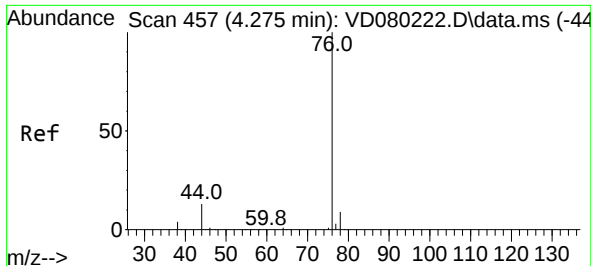
Reviewed By :Mahesh Dadoda 02/07/2025
Supervised By :Semsettin Yesilyurt 02/07/2025



#16
Acetone
Concen: 25.734 ug/l
RT: 4.034 min Scan# 416
Delta R.T. 0.006 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57

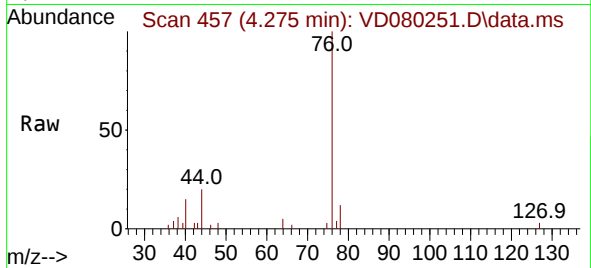
Tgt Ion: 43 Resp: 5576
Ion Ratio Lower Upper
43 100
58 40.2 29.5 44.3





#17
Carbon Disulfide
Concen: 4.397 ug/l
RT: 4.275 min Scan# 457
Delta R.T. 0.000 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57

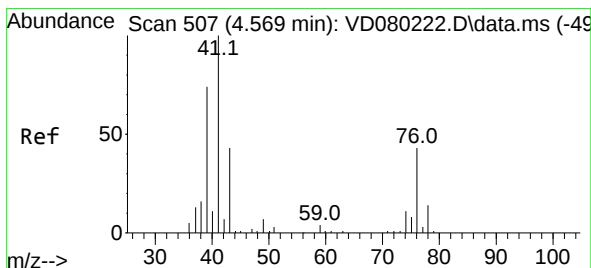
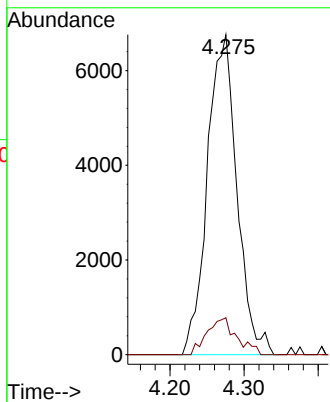
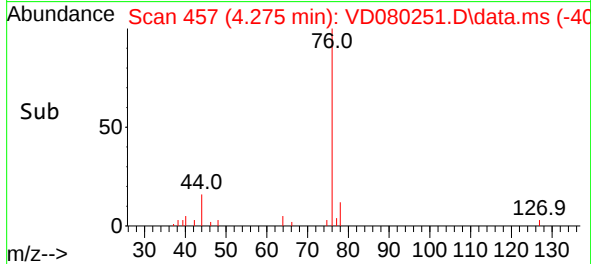
Instrument : MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion: 76 Resp: 18770
Ion Ratio Lower Upper
76 100
78 11.5 7.0 10.4

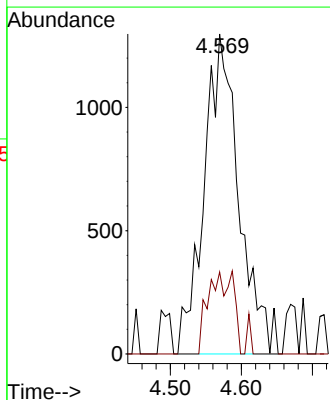
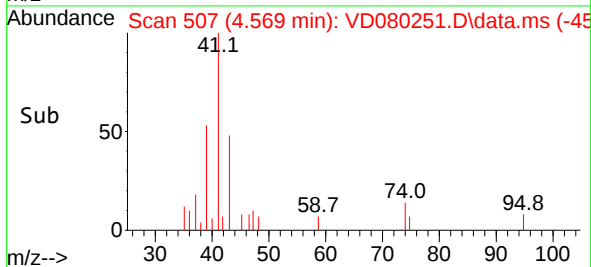
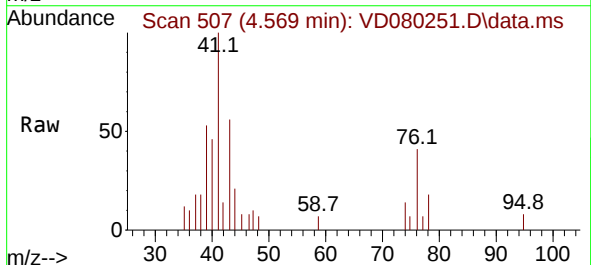
Manual Integrations
APPROVED

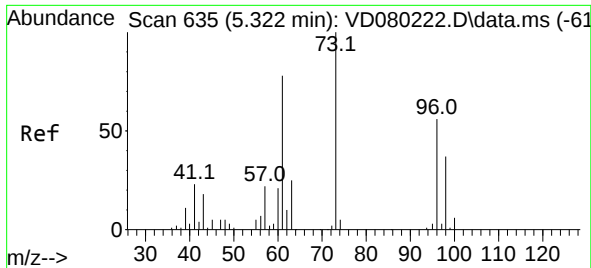
Reviewed By :Mahesh Dadoda 02/07/2025
Supervised By :Semsettin Yesilyurt 02/07/2025



#18
Methyl Acetate
Concen: 6.081 ug/l
RT: 4.569 min Scan# 507
Delta R.T. 0.000 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57

Tgt Ion: 43 Resp: 4446
Ion Ratio Lower Upper
43 100
74 12.1 19.4 29.2





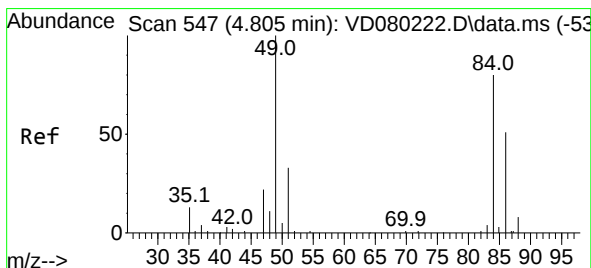
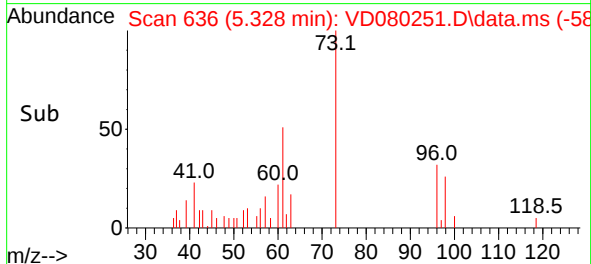
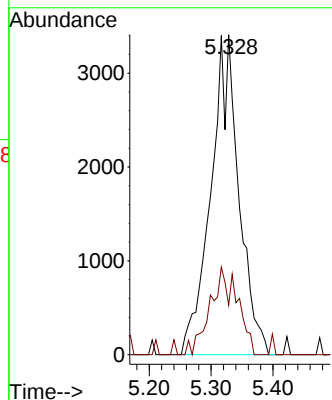
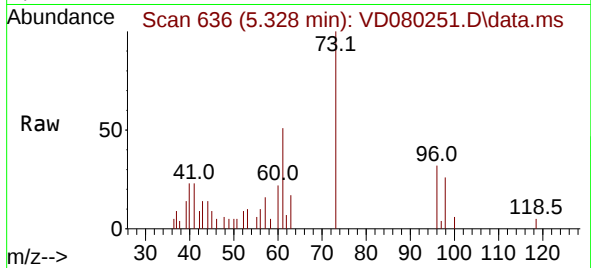
#19
Methyl tert-butyl Ether
Concen: 4.137 ug/l m
RT: 5.328 min Scan# 61
Delta R.T. 0.006 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

Tgt Ion: 73 Resp: 10779
Ion Ratio Lower Upper
73 100
57 15.5 17.8 26.8

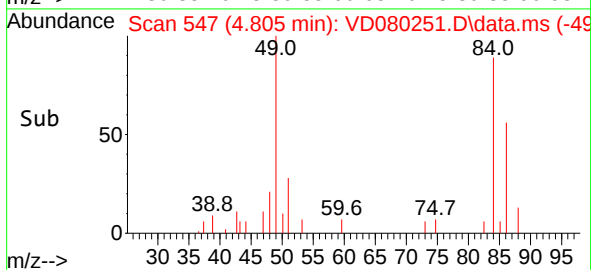
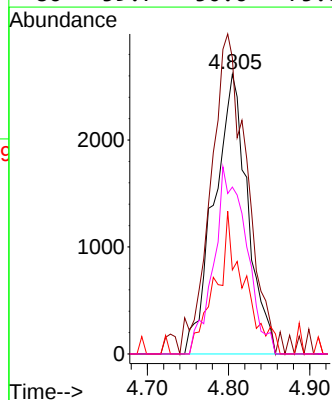
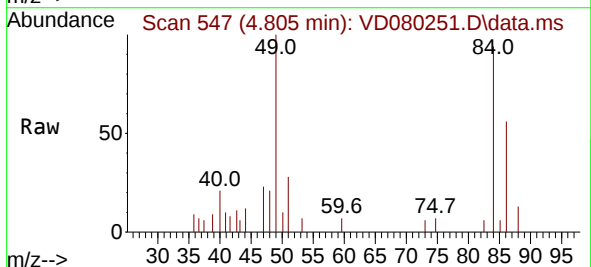
Manual Integrations
APPROVED

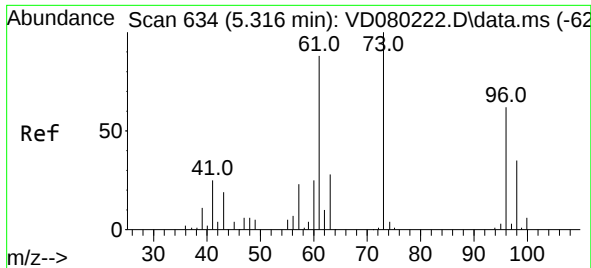
Reviewed By :Mahesh Dadoda 02/07/2025
Supervised By :Semsettin Yesilyurt 02/07/2025



#20
Methylene Chloride
Concen: 5.083 ug/l
RT: 4.805 min Scan# 547
Delta R.T. 0.000 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57

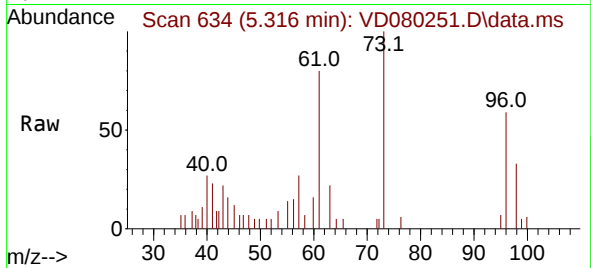
Tgt Ion: 84 Resp: 7474
Ion Ratio Lower Upper
84 100
49 105.9 99.4 149.2
51 30.1 32.6 49.0#
86 59.7 50.6 75.8





#21
trans-1,2-Dichloroethene
Concen: 4.287 ug/l
RT: 5.316 min Scan# 611
Delta R.T. 0.000 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57

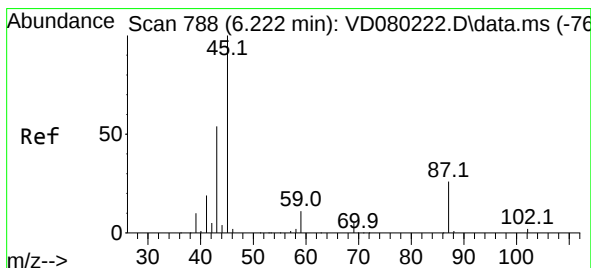
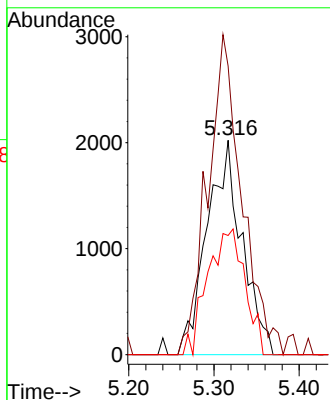
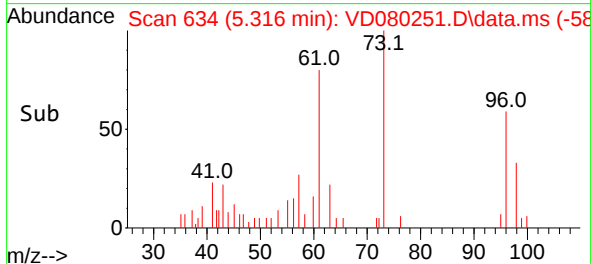
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion: 96 Resp: 5764
Ion Ratio Lower Upper
96 100
61 134.6 113.7 170.5
98 55.6 45.4 68.2

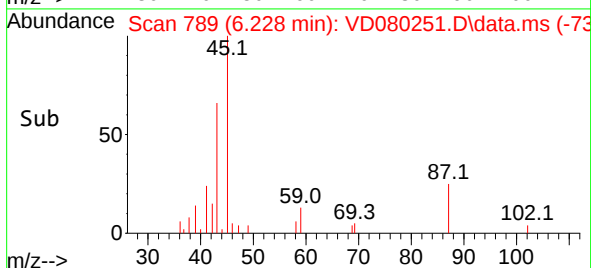
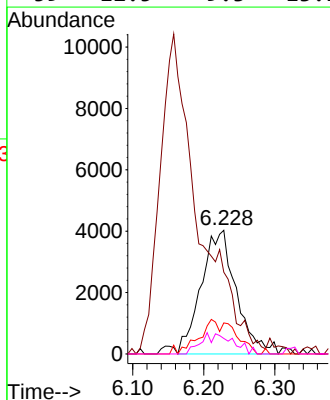
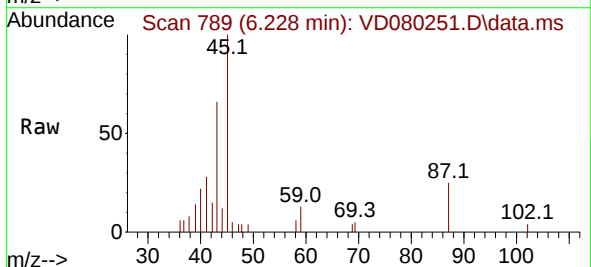
Manual Integrations
APPROVED

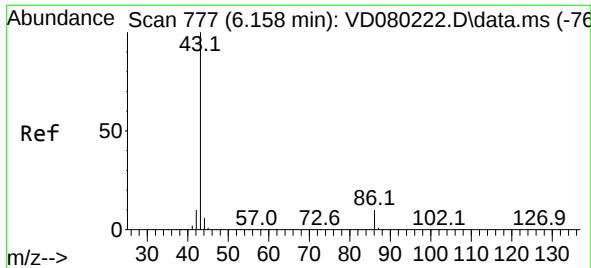
Reviewed By :Mahesh Dadoda 02/07/2025
Supervised By :Semsettin Yesilyurt 02/07/2025



#22
Diisopropyl ether
Concen: 3.643 ug/l
RT: 6.228 min Scan# 789
Delta R.T. 0.006 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57

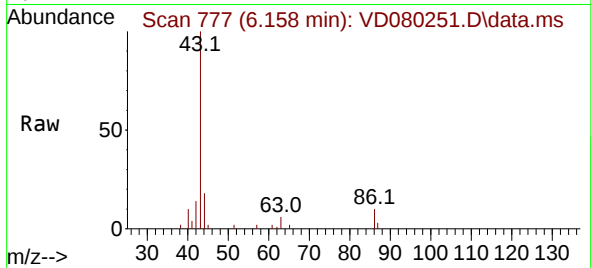
Tgt Ion: 45 Resp: 13828
Ion Ratio Lower Upper
45 100
43 59.6 44.3 66.5
87 25.1 20.5 30.7
59 12.5 9.3 13.9





#23
 Vinyl Acetate
 Concen: 18.068 ug/l
 RT: 6.158 min Scan# 777
 Delta R.T. 0.000 min
 Lab File: VD080251.D
 Acq: 06 Feb 2025 15:57

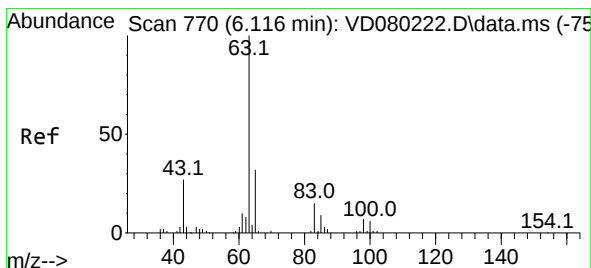
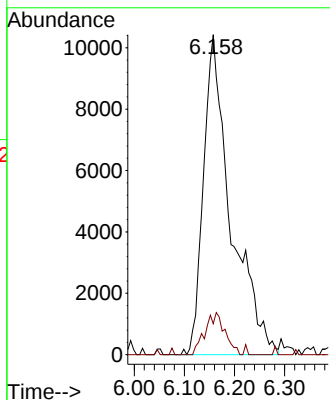
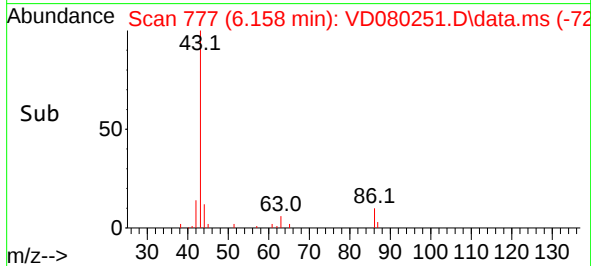
Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2025



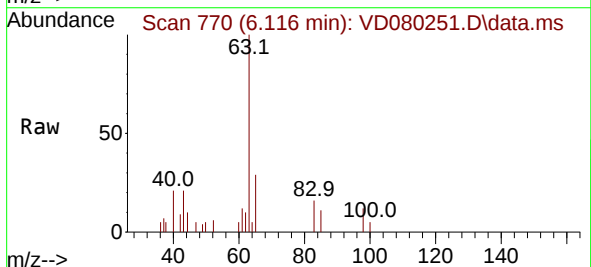
Tgt Ion: 43 Resp: 3959
 Ion Ratio Lower Upper
 43 100
 86 9.7 8.1 12.1

Manual Integrations
 APPROVED

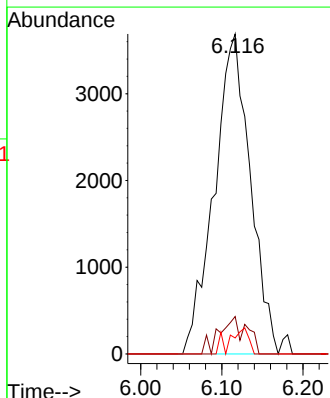
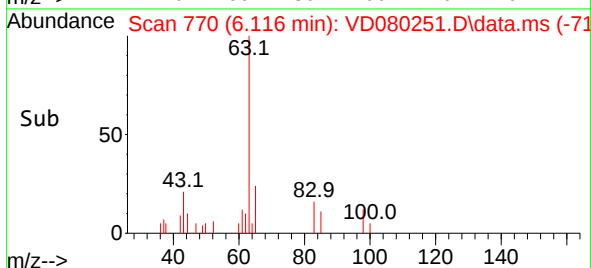
Reviewed By :Mahesh Dadoda 02/07/2025
 Supervised By :Semsettin Yesilyurt 02/07/2025

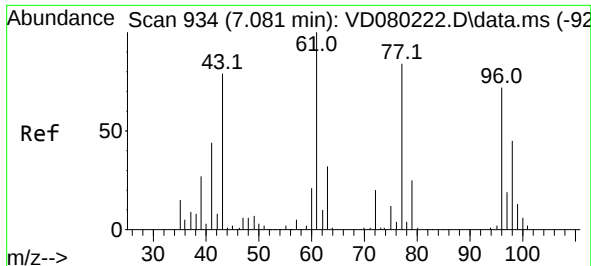


#24
 1,1-Dichloroethane
 Concen: 4.564 ug/l
 RT: 6.116 min Scan# 770
 Delta R.T. 0.000 min
 Lab File: VD080251.D
 Acq: 06 Feb 2025 15:57



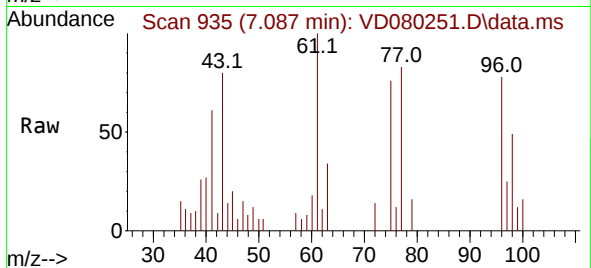
Tgt Ion: 63 Resp: 11358
 Ion Ratio Lower Upper
 63 100
 98 11.7 3.5 10.5#
 100 5.0 2.8 8.4





#25
2-Butanone
Concen: 20.873 ug/l
RT: 7.087 min Scan# 911
Delta R.T. 0.006 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57

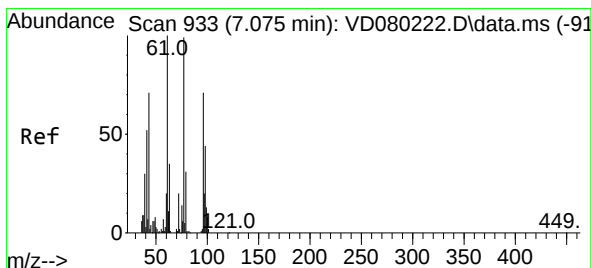
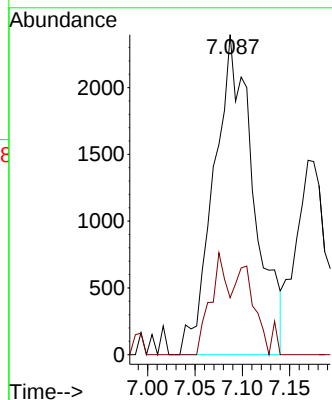
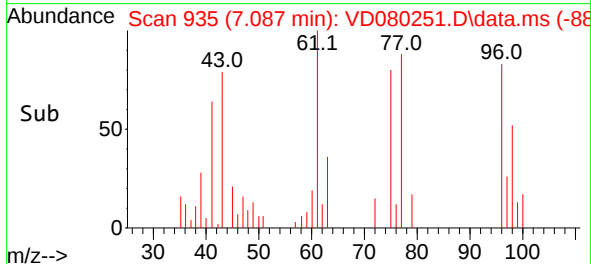
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion: 43 Resp: 7015
Ion Ratio Lower Upper
43 100
72 17.8 19.9 29.9

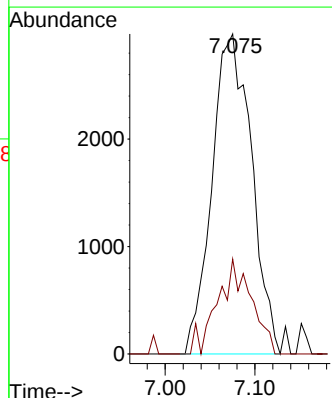
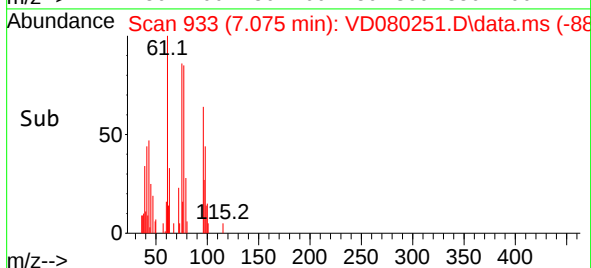
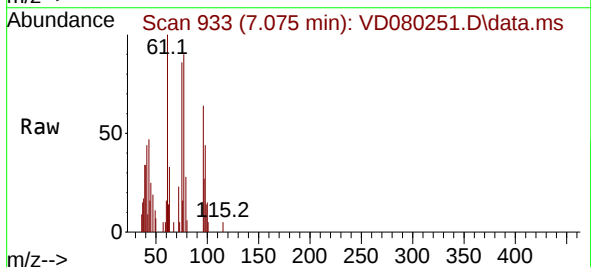
Manual Integrations
APPROVED

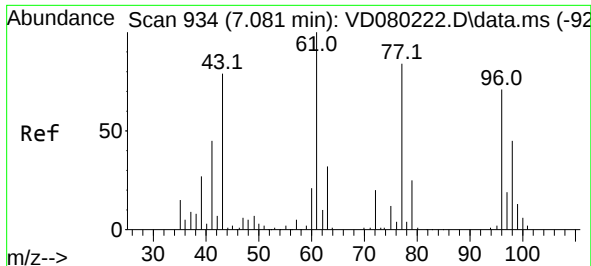
Reviewed By :Mahesh Dadoda 02/07/2025
Supervised By :Semsettin Yesilyurt 02/07/2025



#26
2,2-Dichloropropane
Concen: 4.220 ug/l
RT: 7.075 min Scan# 933
Delta R.T. 0.000 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57

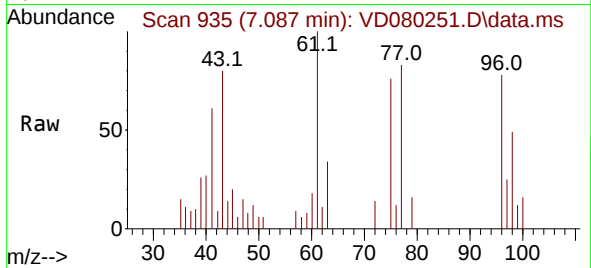
Tgt Ion: 77 Resp: 9108
Ion Ratio Lower Upper
77 100
97 25.4 11.3 33.8





#27
 cis-1,2-Dichloroethene
 Concen: 4.010 ug/l
 RT: 7.087 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VD080251.D
 Acq: 06 Feb 2025 15:57

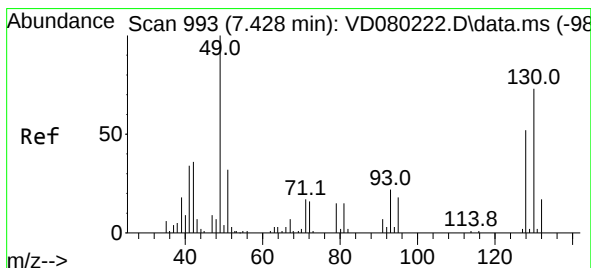
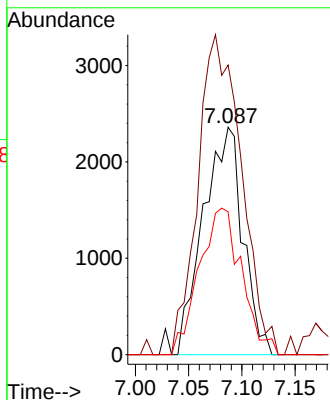
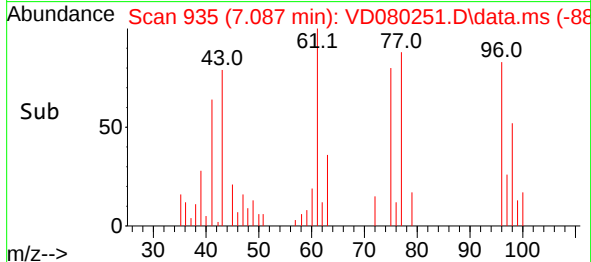
Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2025



Tgt Ion: 96 Resp: 609
 Ion Ratio Lower Upper
 96 100
 61 154.2 0.0 297.4
 98 69.0 0.0 131.0

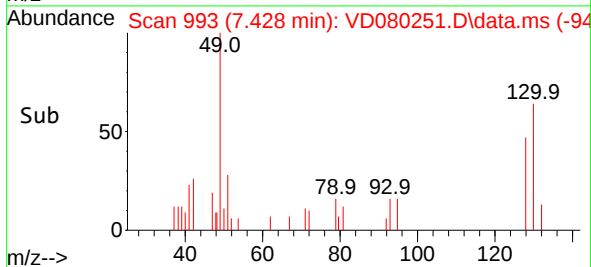
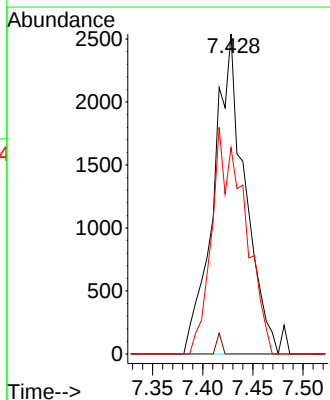
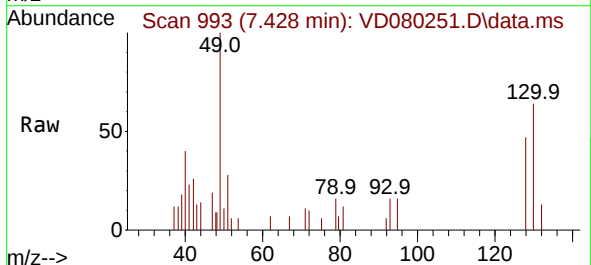
Manual Integrations
 APPROVED

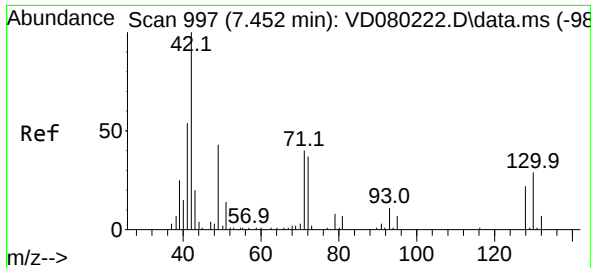
Reviewed By :Mahesh Dadoda 02/07/2025
 Supervised By :Semsettin Yesilyurt 02/07/2025



#28
 Bromochloromethane
 Concen: 4.851 ug/l
 RT: 7.428 min Scan# 993
 Delta R.T. 0.000 min
 Lab File: VD080251.D
 Acq: 06 Feb 2025 15:57

Tgt Ion: 49 Resp: 5508
 Ion Ratio Lower Upper
 49 100
 129 1.1 0.0 1.8
 130 74.7 55.3 82.9





#29

Tetrahydrofuran

Concen: 22.110 ug/l

RT: 7.440 min Scan# 995

Delta R.T. -0.012 min

Lab File: VD080251.D

Acq: 06 Feb 2025 15:57

Instrument :

MSVOA_D

ClientSampleId :

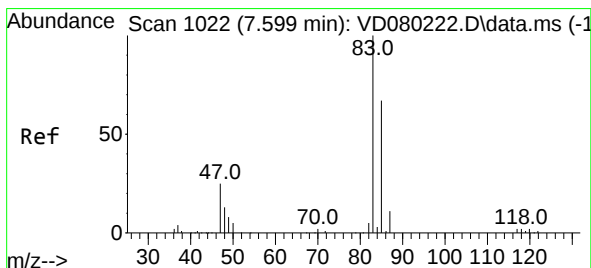
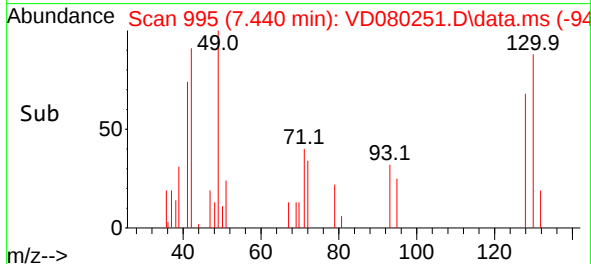
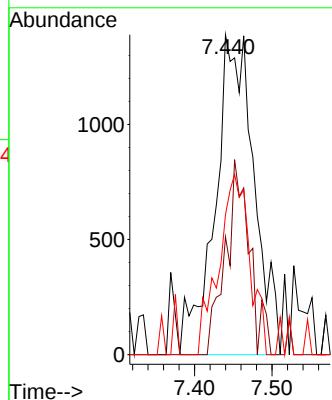
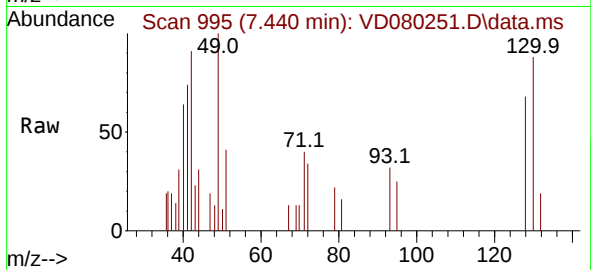
LOD-MDL-SOIL-01-QT1-2025

Tgt Ion: 42	Resp: 486
Ion Ratio	Lower Upper
42	100
72	37.6 33.5 50.3
71	45.0 32.9 49.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 02/07/2025
Supervised By :Semsettin Yesilyurt 02/07/2025



#30

Chloroform

Concen: 4.714 ug/l

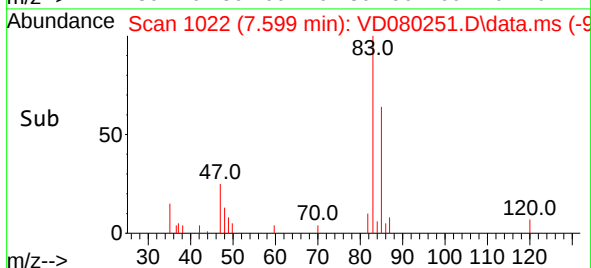
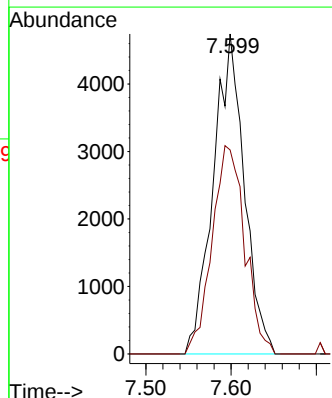
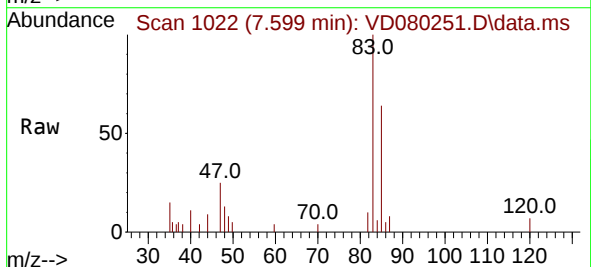
RT: 7.599 min Scan# 1022

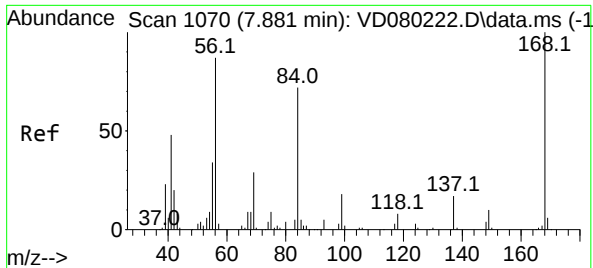
Delta R.T. 0.000 min

Lab File: VD080251.D

Acq: 06 Feb 2025 15:57

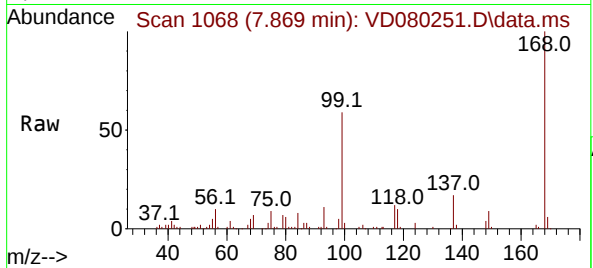
Tgt Ion: 83	Resp: 11993
Ion Ratio	Lower Upper
83	100
85	63.8 53.7 80.5





#31
Cyclohexane
Concen: 4.966 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.012 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57

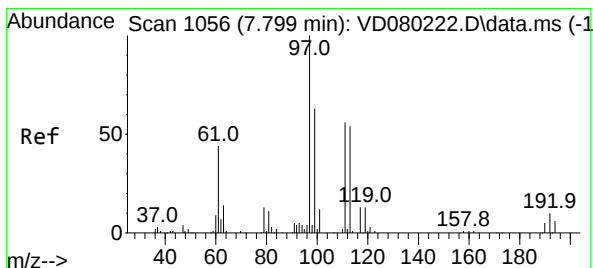
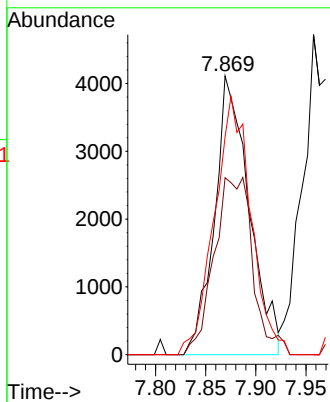
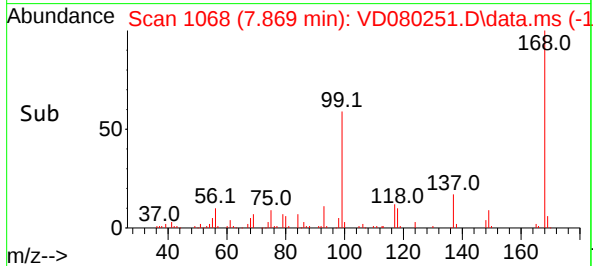
Instrument : MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion: 56 Resp: 989
Ion Ratio Lower Upper
56 100
69 63.5 27.0 40.4
84 78.2 66.3 99.5

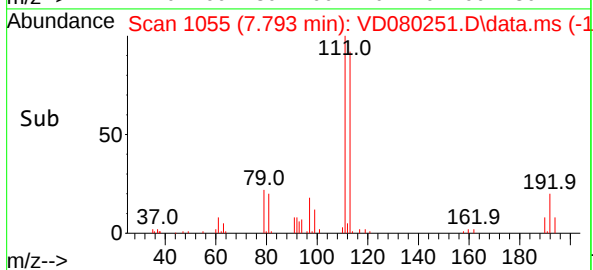
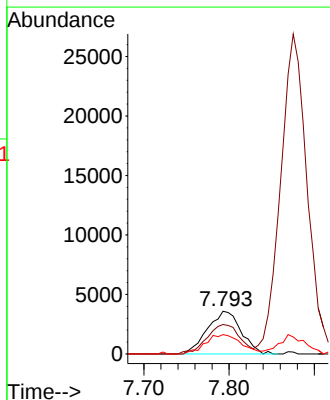
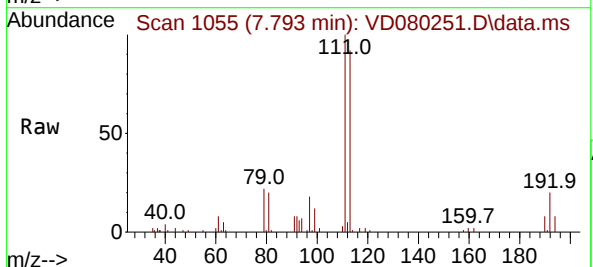
Manual Integrations
APPROVED

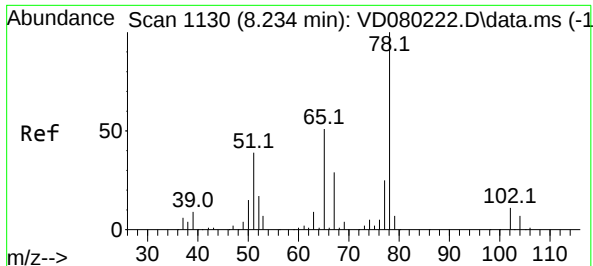
Reviewed By :Mahesh Dadoda 02/07/2025
Supervised By :Semsettin Yesilyurt 02/07/2025



#32
1,1,1-Trichloroethane
Concen: 4.620 ug/l
RT: 7.793 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57

Tgt Ion: 97 Resp: 9834
Ion Ratio Lower Upper
97 100
99 67.5 51.3 76.9
61 47.4 37.4 56.0





#33

1,2-Dichloroethane-d4

Concen: 50.366 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VD080251.D

Acq: 06 Feb 2025 15:57

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

Tgt Ion: 65 Resp: 67714

Ion Ratio Lower Upper

65 100

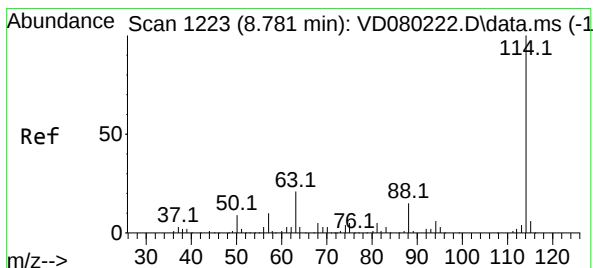
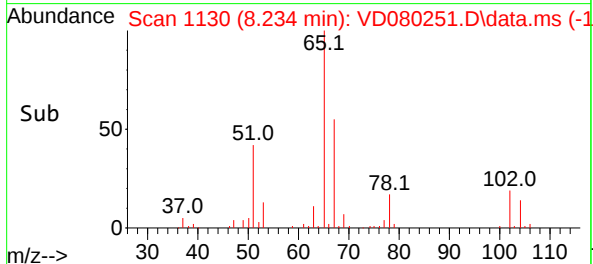
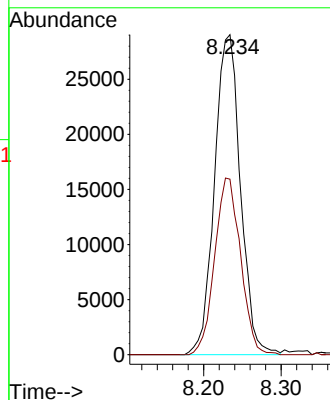
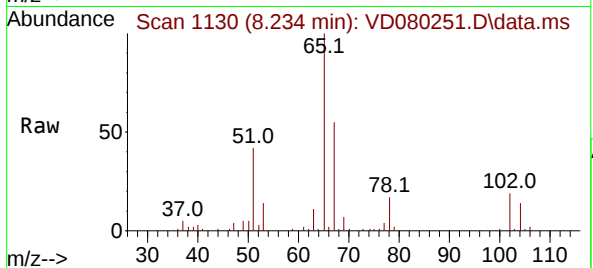
67 55.1 0.0 107.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 02/07/2025

Supervised By :Semsettin Yesilyurt 02/07/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.000 min

Lab File: VD080251.D

Acq: 06 Feb 2025 15:57

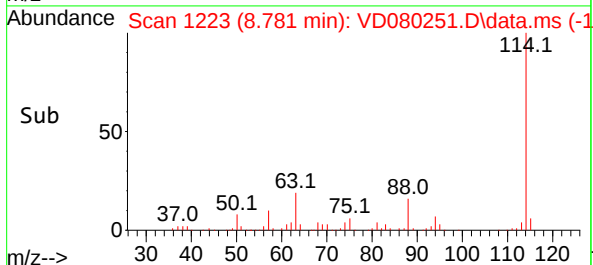
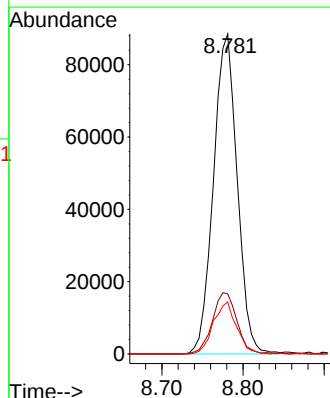
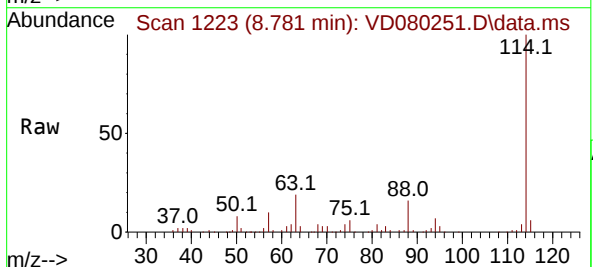
Tgt Ion:114 Resp: 179995

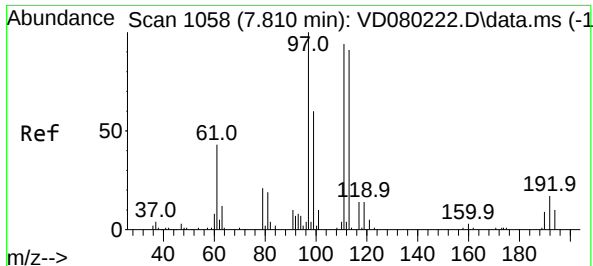
Ion Ratio Lower Upper

114 100

63 18.7 0.0 41.8

88 16.2 0.0 30.4





#35

Dibromofluoromethane

Concen: 49.606 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VD080251.D

Acq: 06 Feb 2025 15:57

Instrument :

MSVOA_D

ClientSampleId :

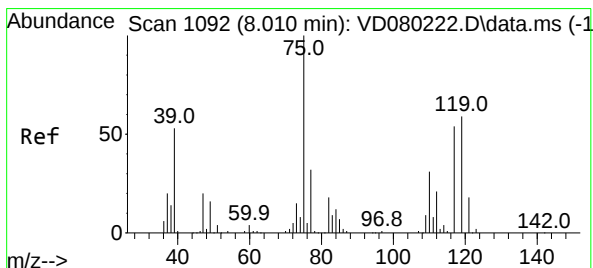
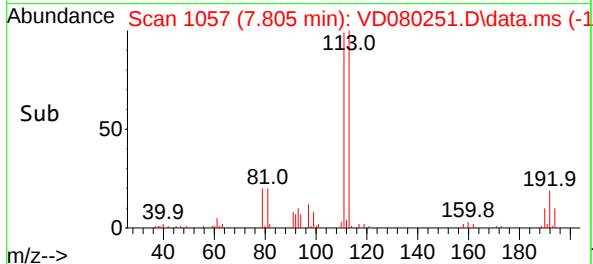
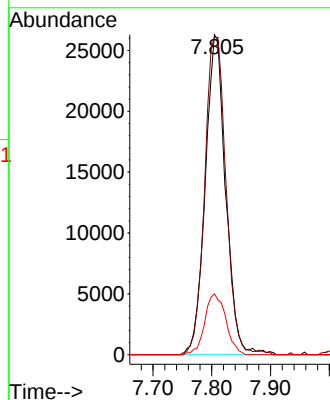
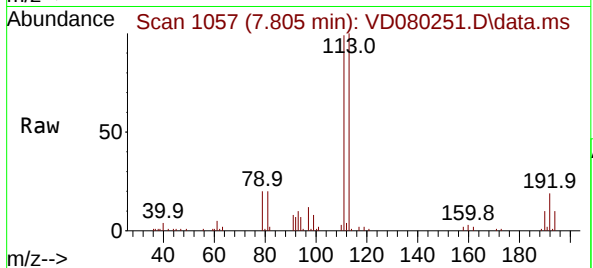
LOD-MDL-SOIL-01-QT1-2025

Tgt Ion:	113	Resp:	6328
Ion	Ratio	Lower	Upper
113	100		
111	103.5	85.0	127.4
192	19.7	15.5	23.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 02/07/2025
Supervised By :Semsettin Yesilyurt 02/07/2025



#36

1,1-Dichloropropene

Concen: 3.917 ug/l

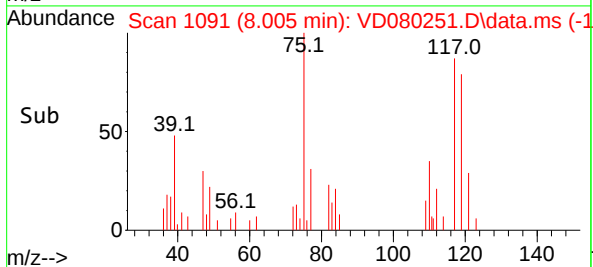
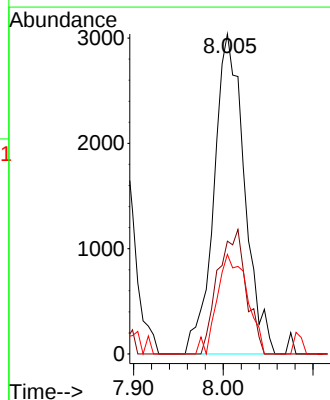
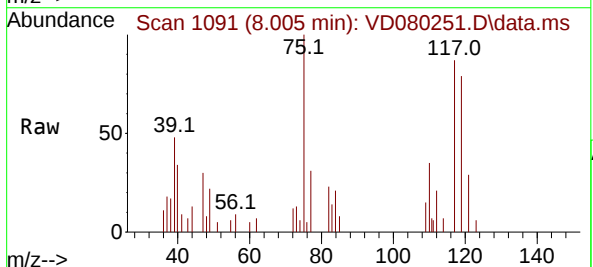
RT: 8.005 min Scan# 1091

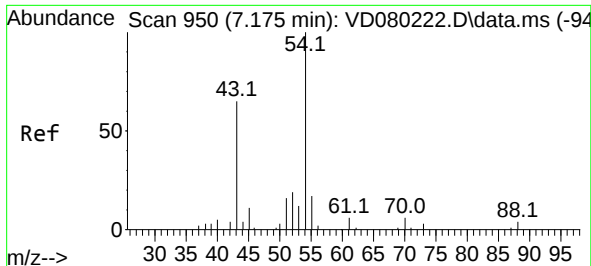
Delta R.T. -0.006 min

Lab File: VD080251.D

Acq: 06 Feb 2025 15:57

Tgt Ion:	75	Resp:	7157
Ion	Ratio	Lower	Upper
75	100		
110	36.1	17.1	51.2
77	30.6	25.6	38.4





#37

Ethyl Acetate

Concen: 4.185 ug/l m

RT: 7.169 min Scan# 94

Delta R.T. -0.006 min

Lab File: VD080251.D

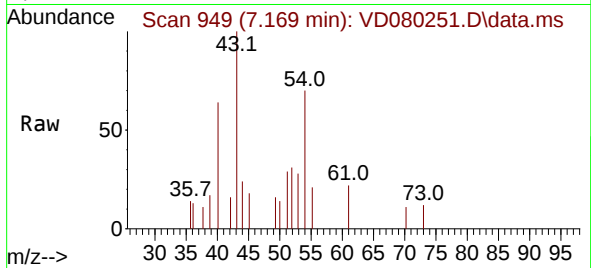
Acq: 06 Feb 2025 15:57

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025



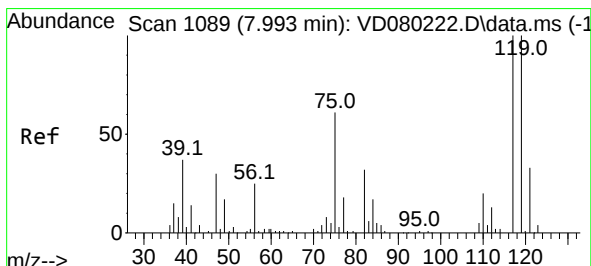
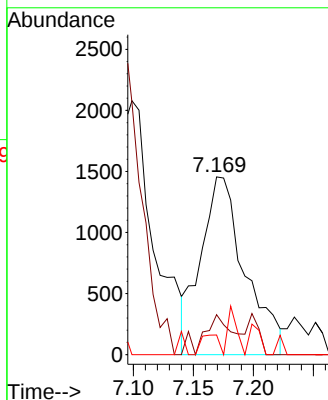
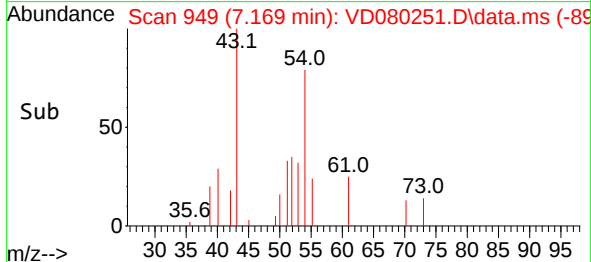
Tgt Ion: 43 Resp: 3750

Ion	Ratio	Lower	Upper
43	100		
61	15.7	11.4	17.0
70	9.9	8.2	12.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 02/07/2025
Supervised By :Semsettin Yesilyurt 02/07/2025



#38

Carbon Tetrachloride

Concen: 4.577 ug/l

RT: 7.987 min Scan# 1088

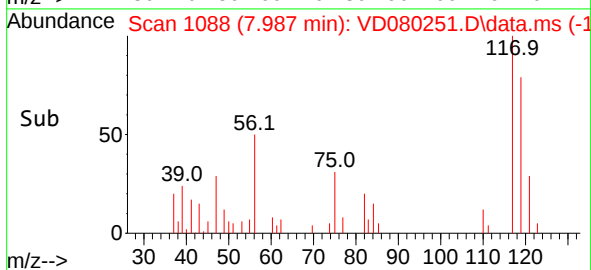
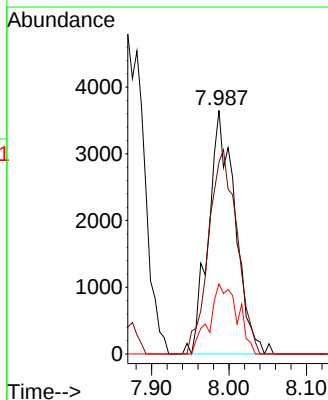
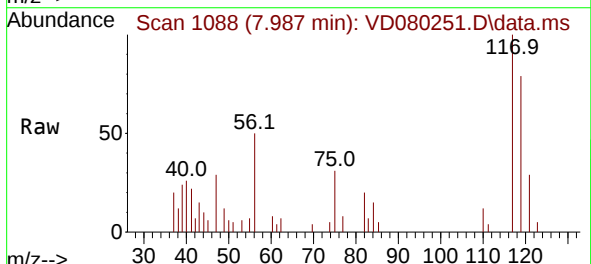
Delta R.T. -0.006 min

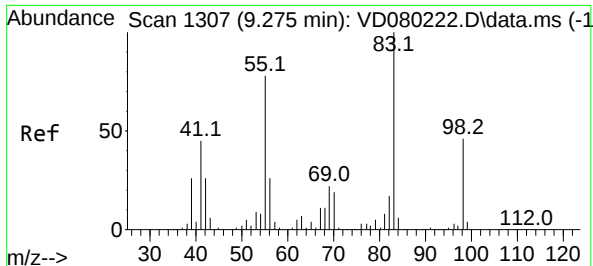
Lab File: VD080251.D

Acq: 06 Feb 2025 15:57

Tgt Ion:117 Resp: 8736

Ion	Ratio	Lower	Upper
117	100		
119	78.7	79.8	119.6#
121	28.7	26.6	39.8





#39

Methylcyclohexane

Concen: 3.593 ug/l

RT: 9.269 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VD080251.D

Acq: 06 Feb 2025 15:57

Instrument :

MSVOA_D

ClientSampleId :

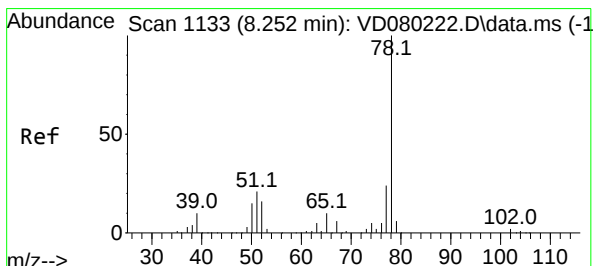
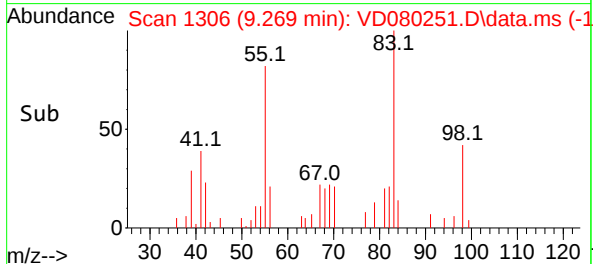
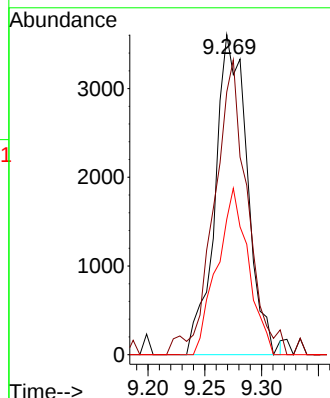
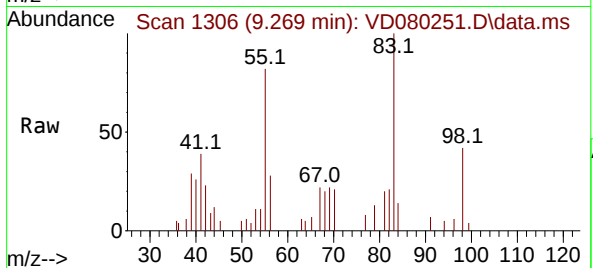
LOD-MDL-SOIL-01-QT1-2025

Tgt Ion: 83	Resp: 7132
Ion Ratio	Lower Upper
83	100
55	76.2 62.5 93.7
98	42.3 37.1 55.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 02/07/2025
Supervised By :Semsettin Yesilyurt 02/07/2025



#40

Benzene

Concen: 4.164 ug/l

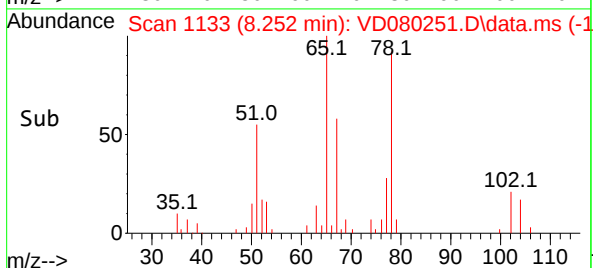
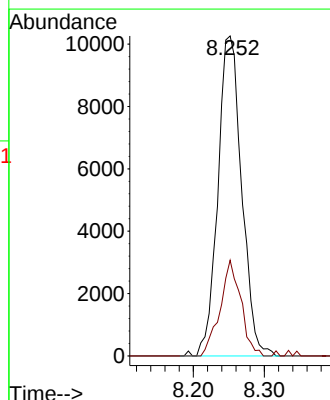
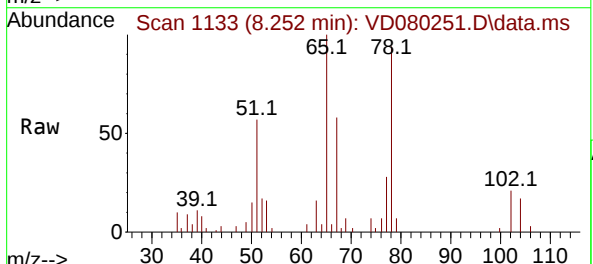
RT: 8.252 min Scan# 1133

Delta R.T. 0.000 min

Lab File: VD080251.D

Acq: 06 Feb 2025 15:57

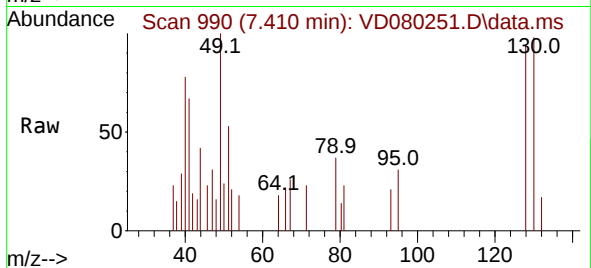
Tgt Ion: 78	Resp: 23849
Ion Ratio	Lower Upper
78	100
77	29.9 19.2 28.8#





#41
Methacrylonitrile
Concen: 3.082 ug/l
RT: 7.410 min Scan# 990
Delta R.T. 0.006 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57

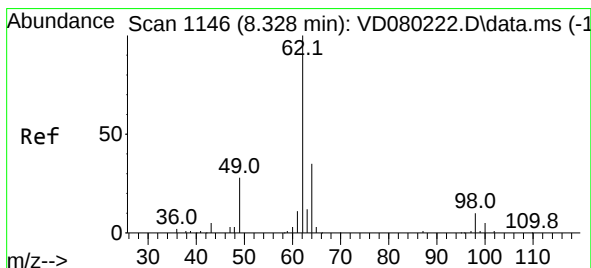
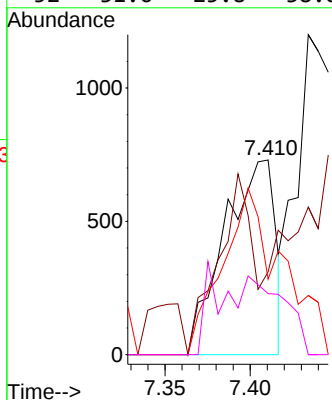
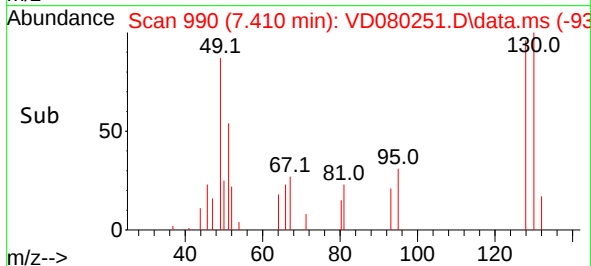
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion: 41 Resp: 1520
Ion Ratio Lower Upper
41 100
39 62.2 44.7 67.1
67 100.0 55.0 82.4
52 31.6 25.8 38.8

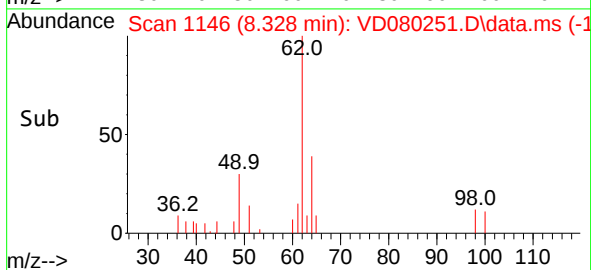
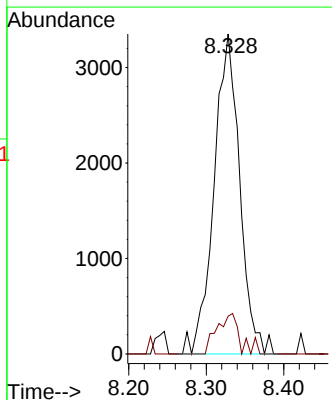
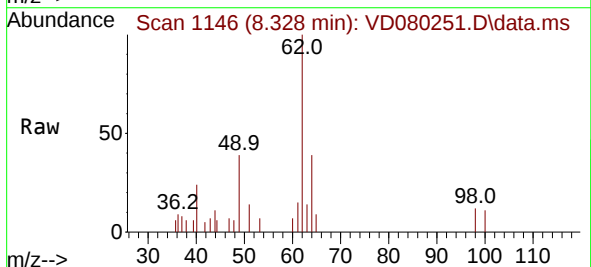
Manual Integrations
APPROVED

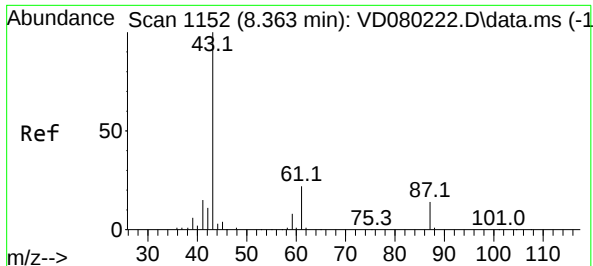
Reviewed By :Mahesh Dadoda 02/07/2025
Supervised By :Semsettin Yesilyurt 02/07/2025



#42
1,2-Dichloroethane
Concen: 4.752 ug/l
RT: 8.328 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57

Tgt Ion: 62 Resp: 7744
Ion Ratio Lower Upper
62 100
98 11.3 0.0 18.4





#43

Isopropyl Acetate

Concen: 4.544 ug/l

RT: 8.363 min Scan# 1152

Delta R.T. 0.000 min

Lab File: VD080251.D

Acq: 06 Feb 2025 15:57

Instrument :

MSVOA_D

ClientSampleId :

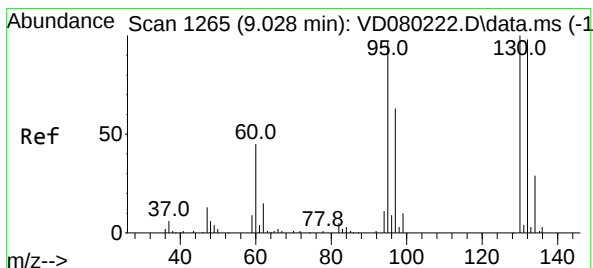
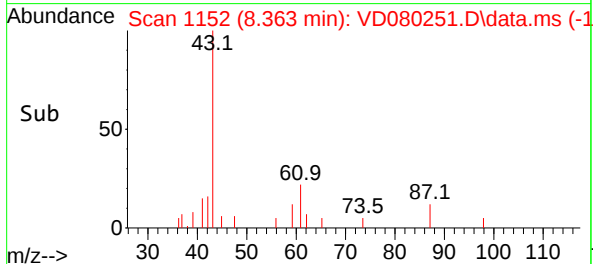
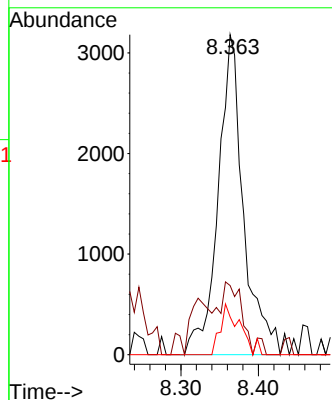
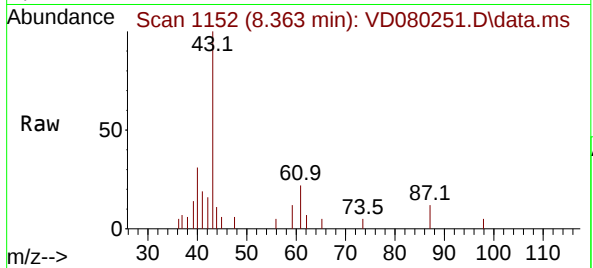
LOD-MDL-SOIL-01-QT1-2025

Tgt Ion: 43	Resp: 722
Ion Ratio	Lower Upper
43	100
61	15.4 25.0 37.4
87	12.2 10.7 16.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 02/07/2025
Supervised By :Semsettin Yesilyurt 02/07/2025



#44

Trichloroethene

Concen: 4.586 ug/l

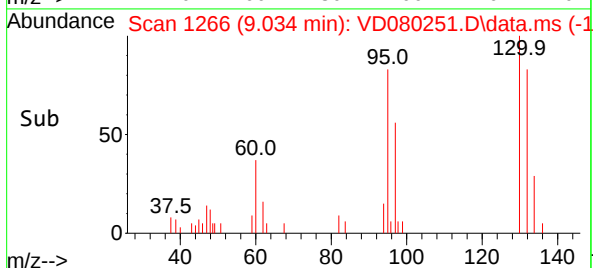
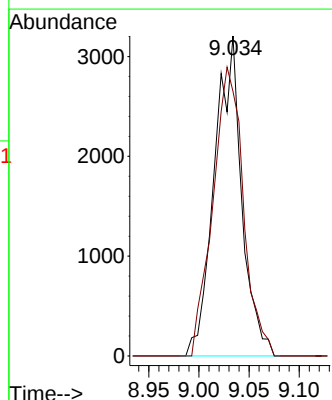
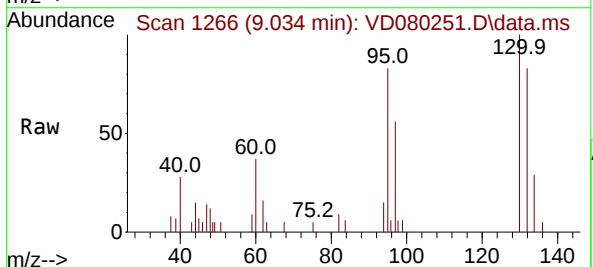
RT: 9.034 min Scan# 1266

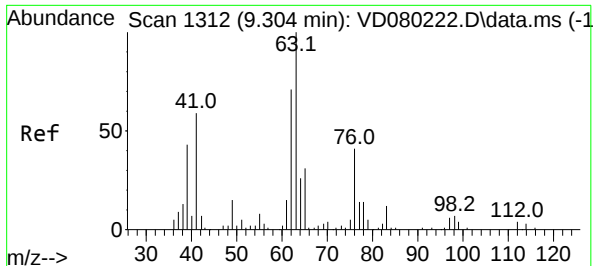
Delta R.T. 0.006 min

Lab File: VD080251.D

Acq: 06 Feb 2025 15:57

Tgt Ion:130	Resp: 6067
Ion Ratio	Lower Upper
130	100
95	82.7 0.0 194.2





#45

1,2-Dichloropropane

Concen: 4.180 ug/l

RT: 9.310 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD080251.D

Acq: 06 Feb 2025 15:57

Instrument :

MSVOA_D

ClientSampleId :

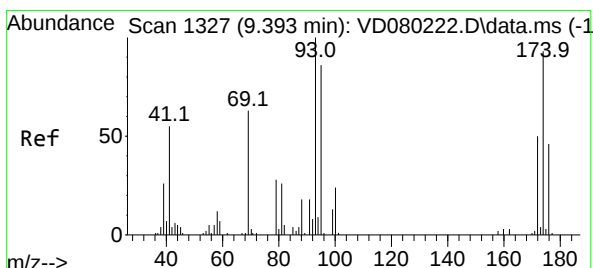
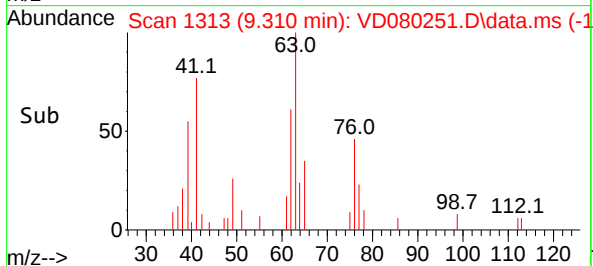
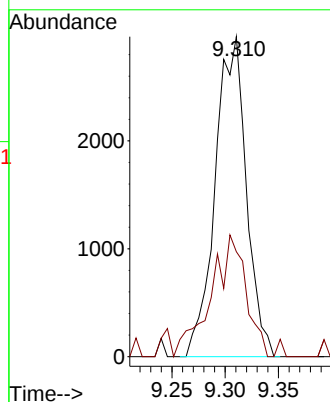
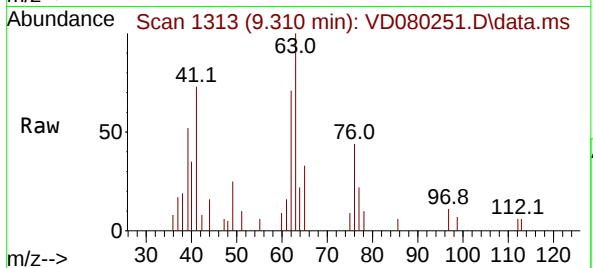
LOD-MDL-SOIL-01-QT1-2025

Tgt Ion: 63 Resp: 602
 Ion Ratio Lower Upper
 63 100
 65 27.4 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 02/07/2025
 Supervised By :Semsettin Yesilyurt 02/07/2025



#46

Dibromomethane

Concen: 5.030 ug/l

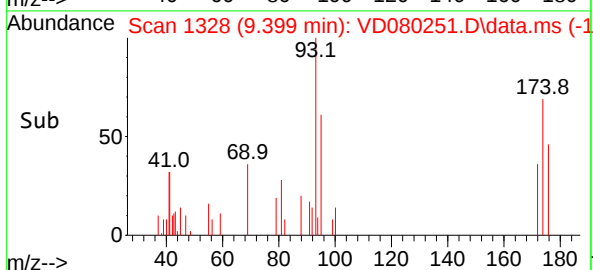
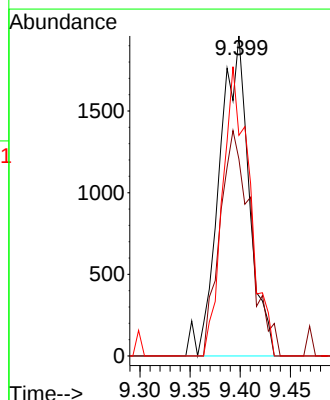
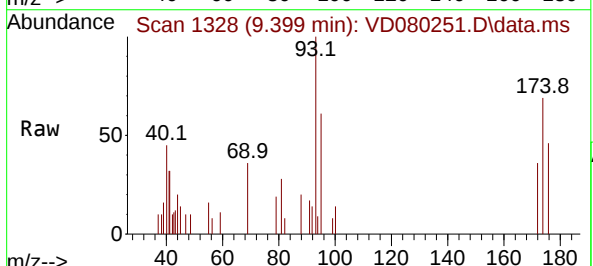
RT: 9.399 min Scan# 1328

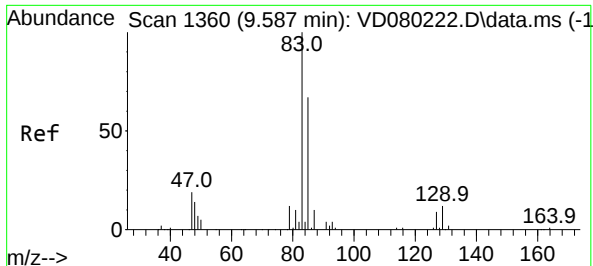
Delta R.T. 0.006 min

Lab File: VD080251.D

Acq: 06 Feb 2025 15:57

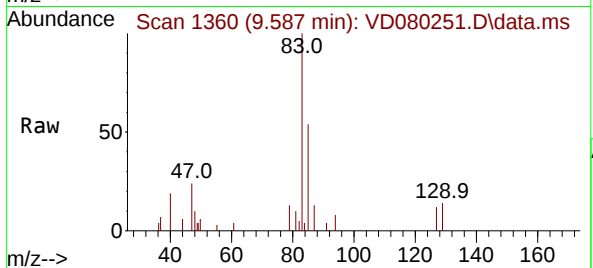
Tgt Ion: 93 Resp: 4037
 Ion Ratio Lower Upper
 93 100
 95 73.3 66.8 100.2
 174 82.2 76.8 115.2





#47
Bromodichloromethane
Concen: 4.589 ug/l
RT: 9.587 min Scan# 1360
Delta R.T. 0.000 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57

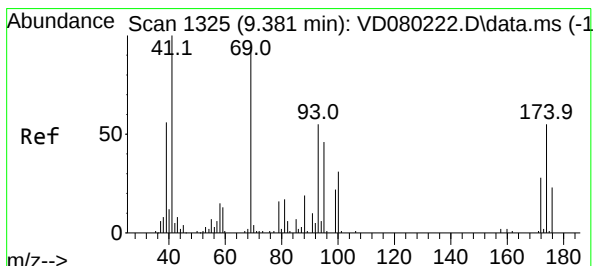
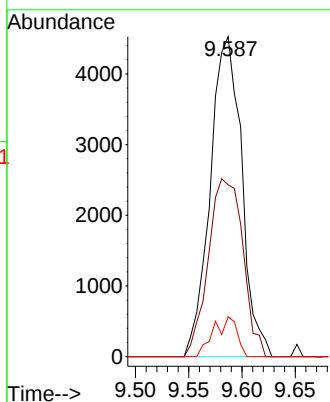
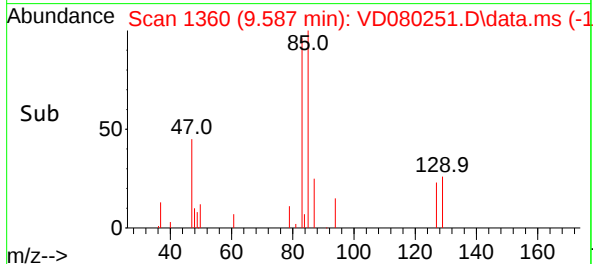
Instrument : MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



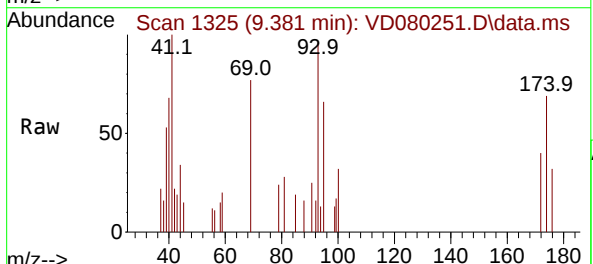
Tgt Ion: 83 Resp: 928
Ion Ratio Lower Upper
83 100
85 53.7 53.6 80.4
127 12.5 7.4 11.2

Manual Integrations
APPROVED

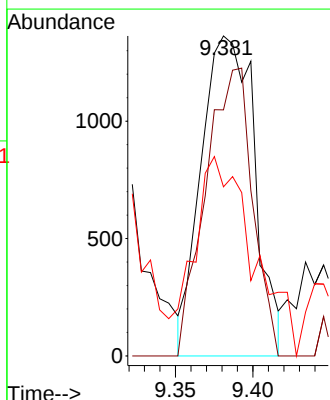
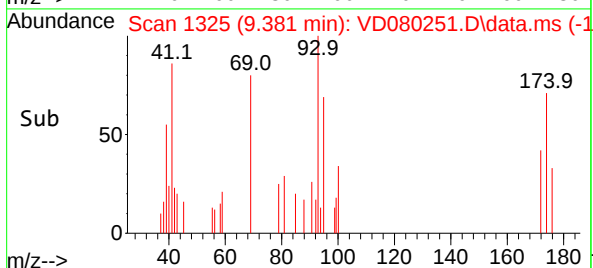
Reviewed By :Mahesh Dadoda 02/07/2025
Supervised By :Semsettin Yesilyurt 02/07/2025

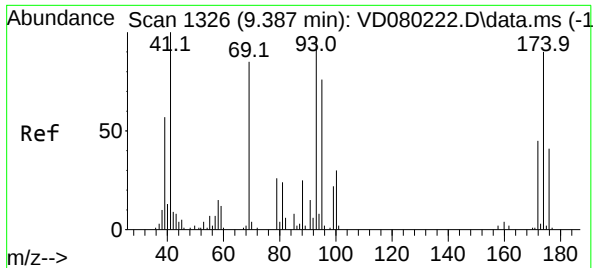


#48
Methyl methacrylate
Concen: 4.428 ug/l
RT: 9.381 min Scan# 1325
Delta R.T. 0.000 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57



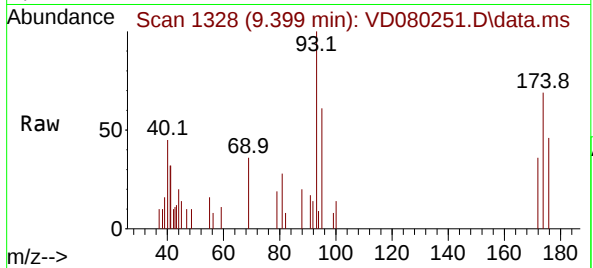
Tgt Ion: 41 Resp: 3258
Ion Ratio Lower Upper
41 100
69 79.4 73.7 110.5
39 68.9 49.4 74.2





#49
 1,4-Dioxane
 Concen: 78.228 ug/l
 RT: 9.399 min Scan# 11
 Delta R.T. 0.012 min
 Lab File: VD080251.D
 Acq: 06 Feb 2025 15:57

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2025

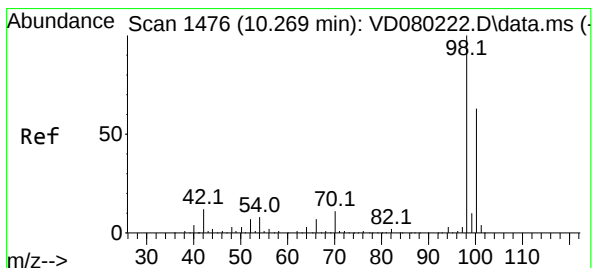
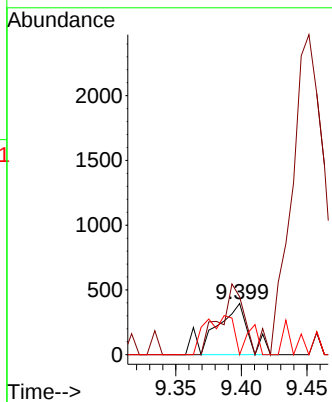
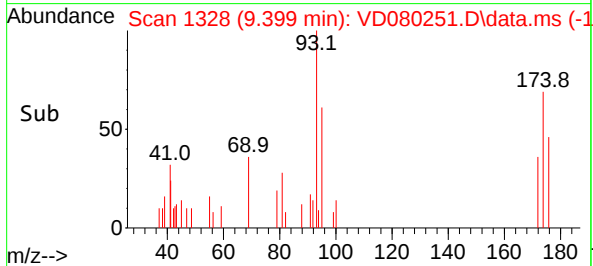


Tgt Ion: 88 Resp: 68

Ion	Ratio	Lower	Upper
88	100		
43	101.0	28.5	42.7
58	65.7	56.3	84.5

Manual Integrations
 APPROVED

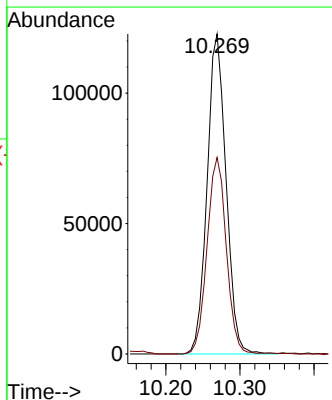
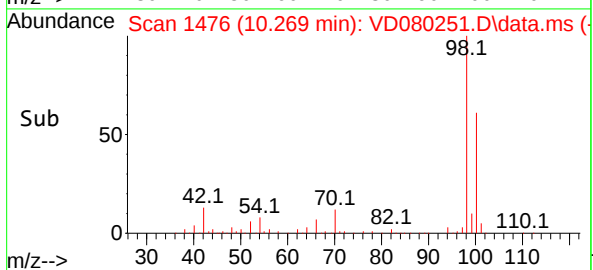
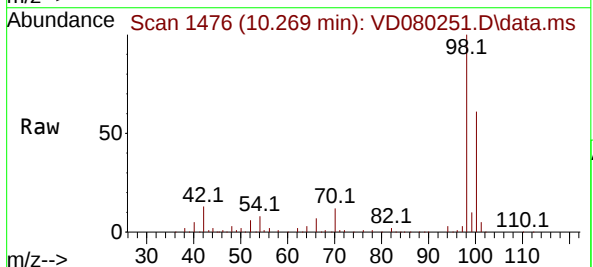
Reviewed By :Mahesh Dadoda 02/07/2025
 Supervised By :Semsettin Yesilyurt 02/07/2025

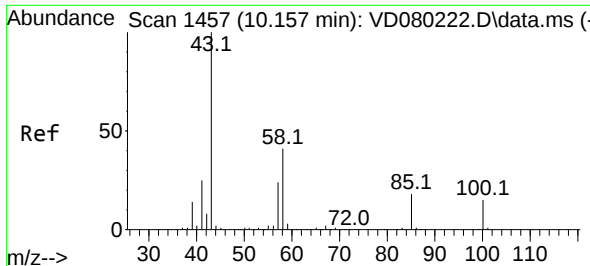


#50
 Toluene-d8
 Concen: 46.007 ug/l
 RT: 10.269 min Scan# 1476
 Delta R.T. 0.000 min
 Lab File: VD080251.D
 Acq: 06 Feb 2025 15:57

Tgt Ion: 98 Resp: 217647

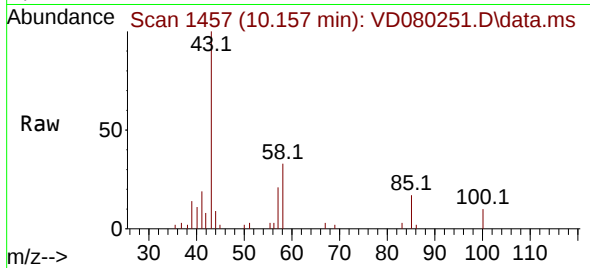
Ion	Ratio	Lower	Upper
98	100		
100	62.3	50.2	75.4





#51
4-Methyl-2-Pentanone
Concen: 19.889 ug/l
RT: 10.157 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57

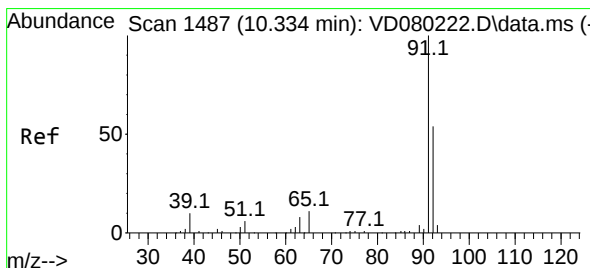
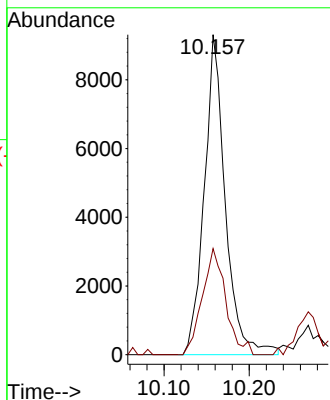
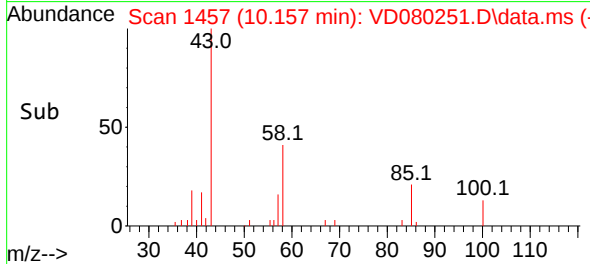
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion: 43 Resp: 15992
Ion Ratio Lower Upper
43 100
58 36.9 31.1 46.7

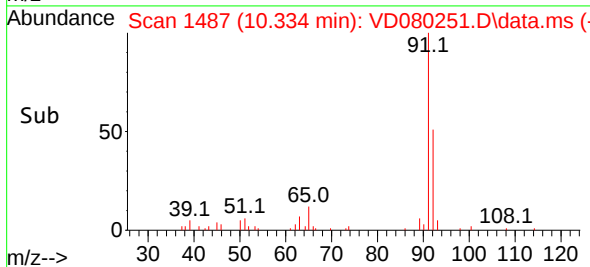
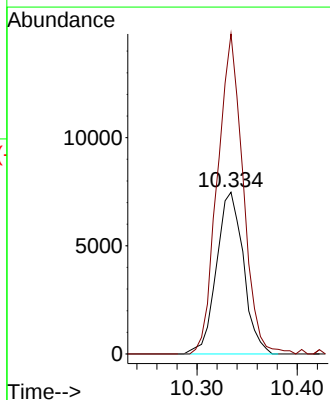
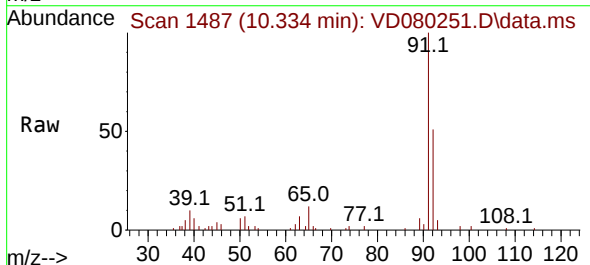
Manual Integrations
APPROVED

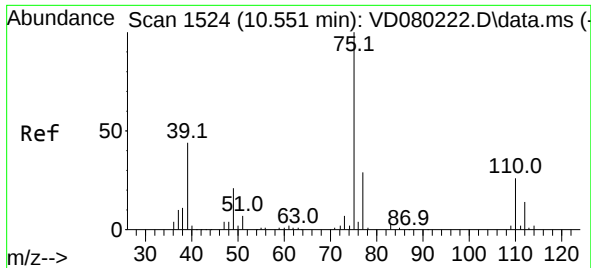
Reviewed By :Mahesh Dadoda 02/07/2025
Supervised By :Semsettin Yesilyurt 02/07/2025



#52
Toluene
Concen: 4.164 ug/l
RT: 10.334 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57

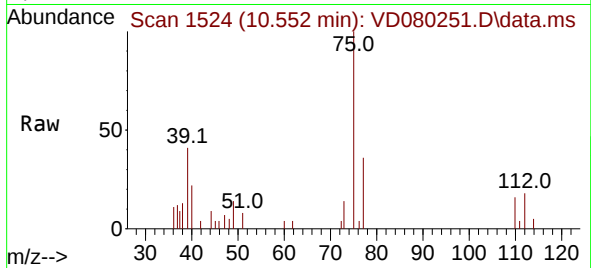
Tgt Ion: 92 Resp: 13949
Ion Ratio Lower Upper
92 100
91 188.1 144.7 217.1





#53
t-1,3-Dichloropropene
Concen: 4.415 ug/l
RT: 10.552 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57

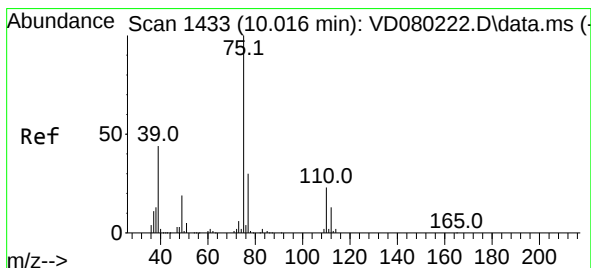
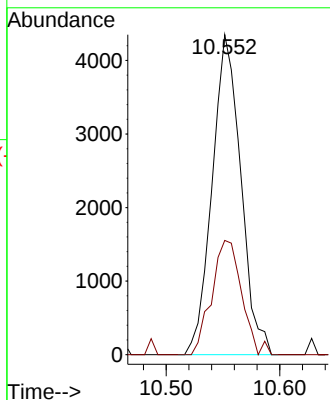
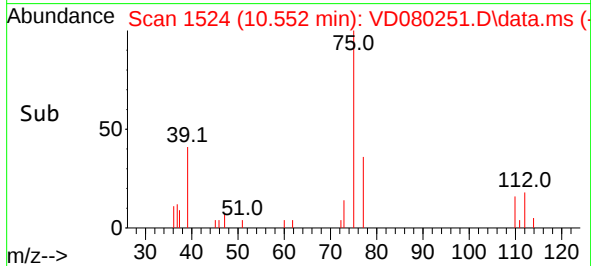
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



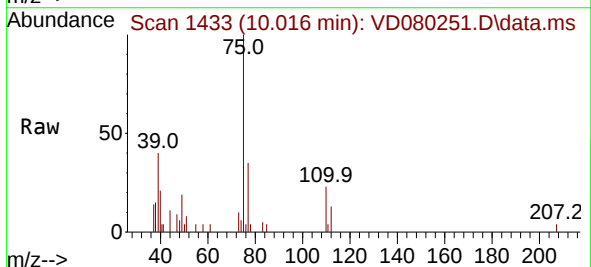
Tgt Ion: 75 Resp: 761
Ion Ratio Lower Upper
75 100
77 35.7 23.0 34.4

Manual Integrations
APPROVED

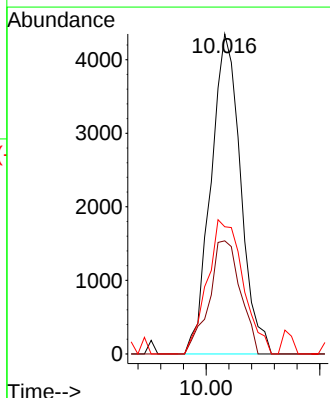
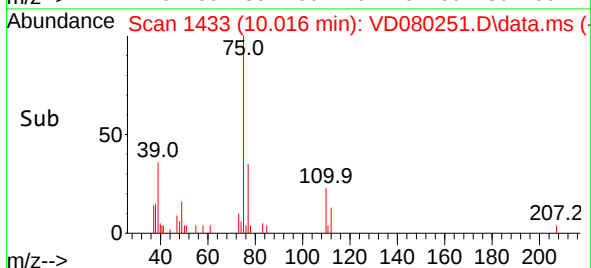
Reviewed By :Mahesh Dadoda 02/07/2025
Supervised By :Semsettin Yesilyurt 02/07/2025

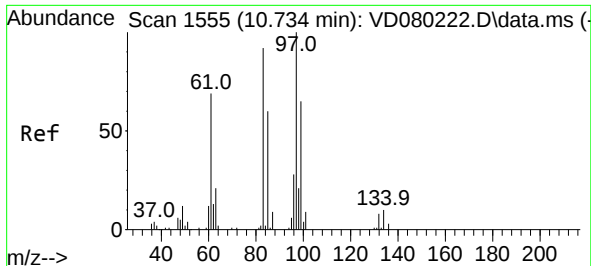


#54
cis-1,3-Dichloropropene
Concen: 3.762 ug/l
RT: 10.016 min Scan# 1433
Delta R.T. 0.000 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57



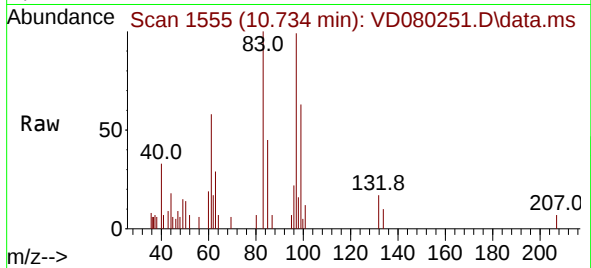
Tgt Ion: 75 Resp: 7895
Ion Ratio Lower Upper
75 100
77 35.3 24.1 36.1
39 39.7 35.1 52.7





#55
1,1,2-Trichloroethane
Concen: 4.320 ug/l
RT: 10.734 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57

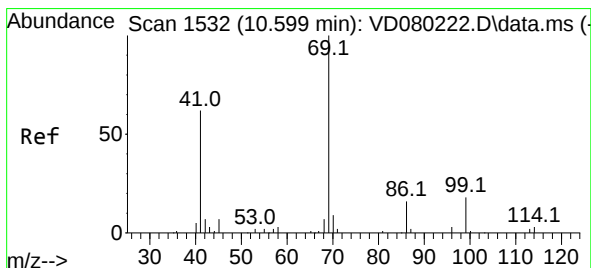
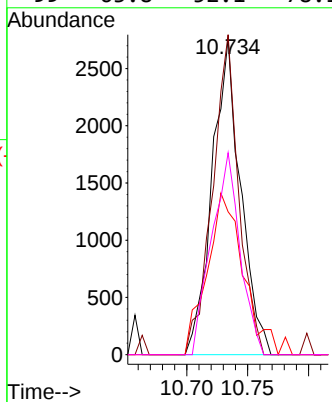
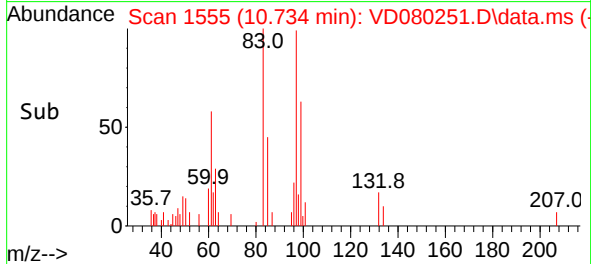
Instrument : MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion: 97 Resp: 450
Ion Ratio Lower Upper
97 100
83 101.2 73.9 110.9
85 45.2 48.2 72.2
99 63.8 52.1 78.1

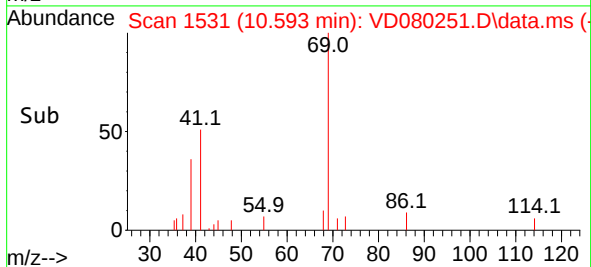
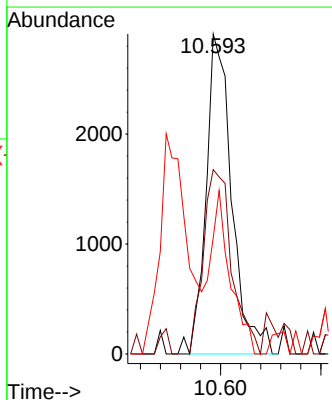
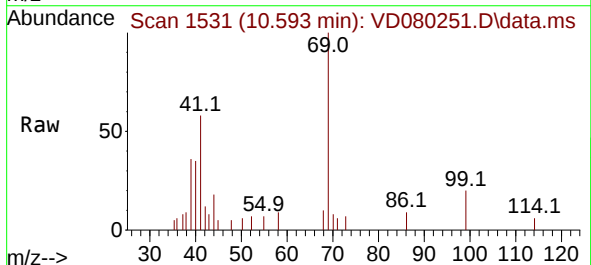
Manual Integrations
APPROVED

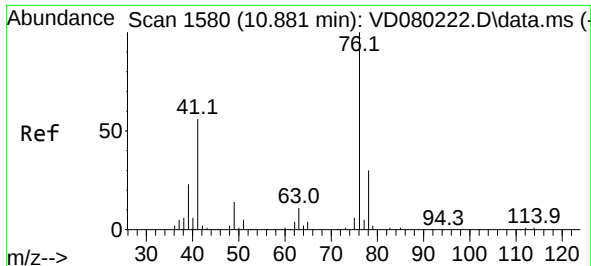
Reviewed By :Mahesh Dadoda 02/07/2025
Supervised By :Semsettin Yesilyurt 02/07/2025



#56
Ethyl methacrylate
Concen: 4.366 ug/l
RT: 10.593 min Scan# 1531
Delta R.T. -0.006 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57

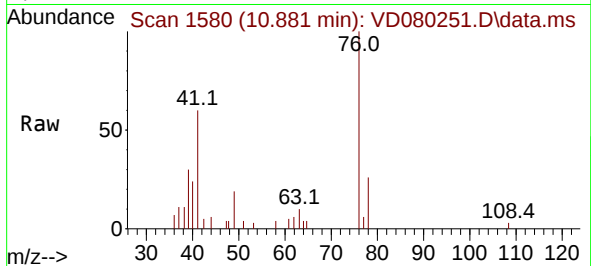
Tgt Ion: 69 Resp: 5195
Ion Ratio Lower Upper
69 100
41 63.8 51.8 77.6
39 39.4 28.7 43.1





#57
1,3-Dichloropropane
Concen: 4.530 ug/l
RT: 10.881 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57

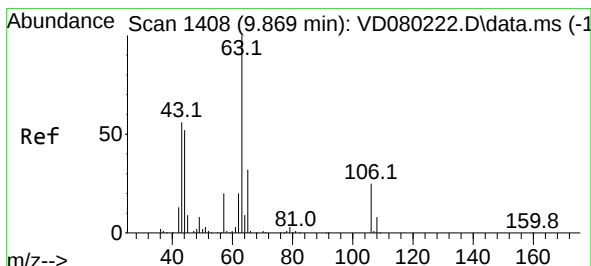
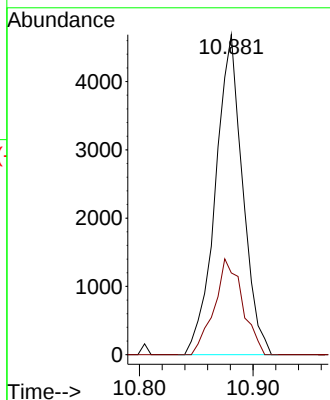
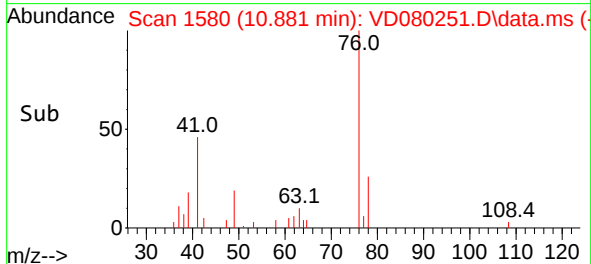
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion: 76 Resp: 7814
Ion Ratio Lower Upper
76 100
78 31.0 25.0 37.4

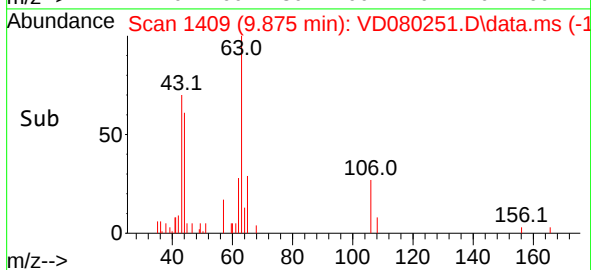
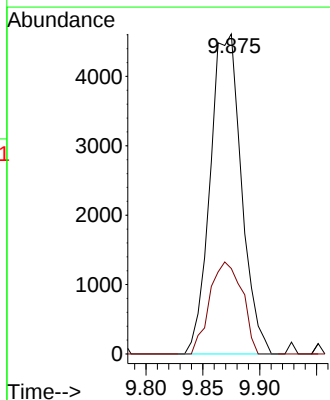
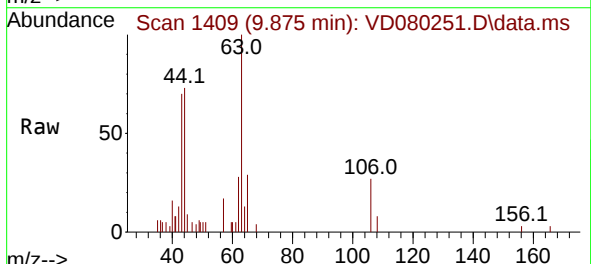
Manual Integrations
APPROVED

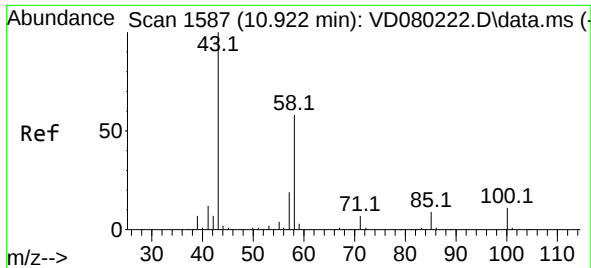
Reviewed By :Mahesh Dadoda 02/07/2025
Supervised By :Semsettin Yesilyurt 02/07/2025



#58
2-Chloroethyl Vinyl ether
Concen: 17.359 ug/l
RT: 9.875 min Scan# 1409
Delta R.T. 0.006 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57

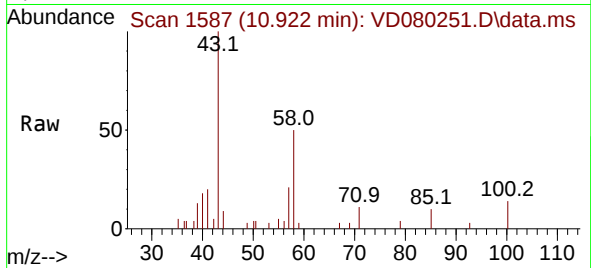
Tgt Ion: 63 Resp: 8816
Ion Ratio Lower Upper
63 100
106 29.9 20.6 30.8





#59
2-Hexanone
Concen: 19.461 ug/l
RT: 10.922 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57

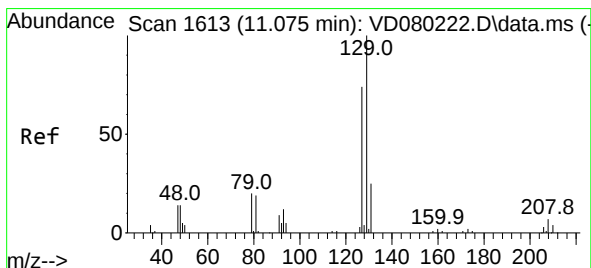
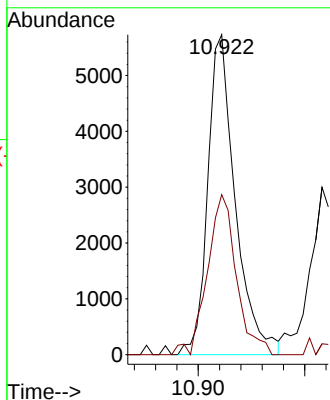
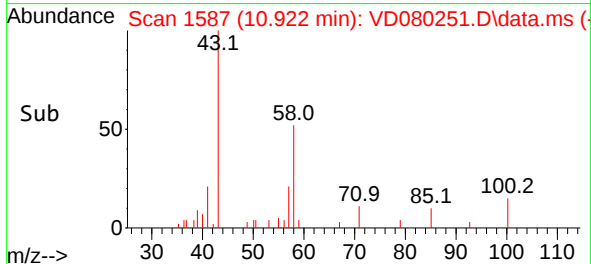
Instrument : MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion: 43 Resp: 1026
Ion Ratio Lower Upper
43 100
58 52.8 27.4 82.2

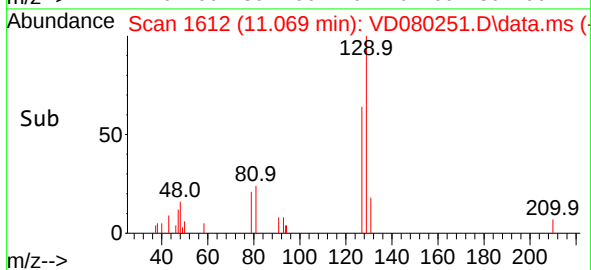
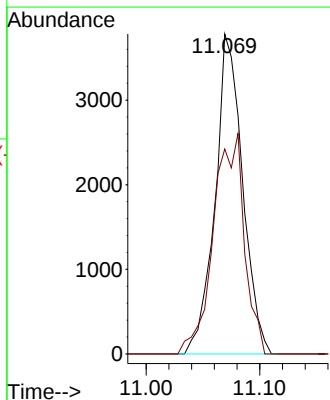
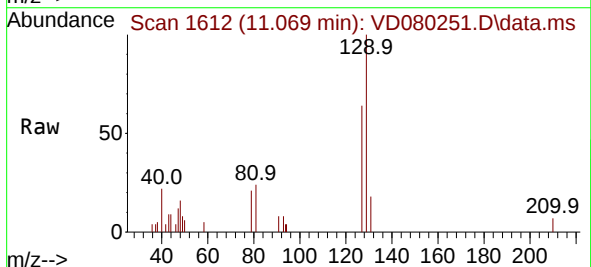
Manual Integrations
APPROVED

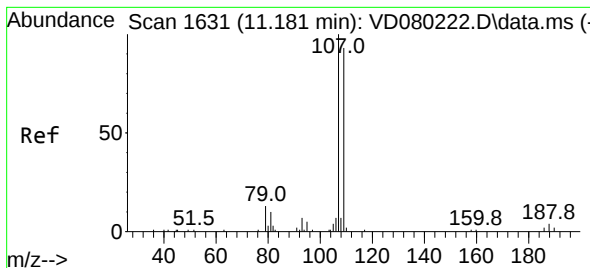
Reviewed By :Mahesh Dadoda 02/07/2025
Supervised By :Semsettin Yesilyurt 02/07/2025



#60
Dibromochloromethane
Concen: 4.941 ug/l
RT: 11.069 min Scan# 1612
Delta R.T. -0.006 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57

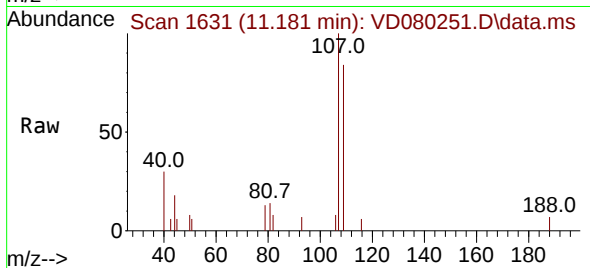
Tgt Ion:129 Resp: 6351
Ion Ratio Lower Upper
129 100
127 77.4 38.1 114.5





#61
1,2-Dibromoethane
Concen: 4.731 ug/l
RT: 11.181 min Scan# 1631
Delta R.T. 0.000 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57

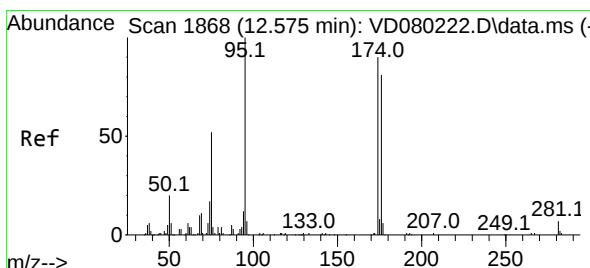
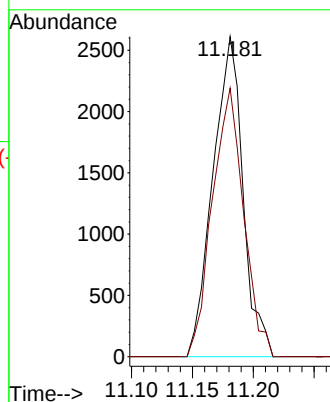
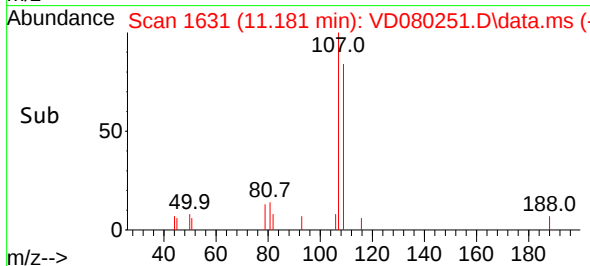
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



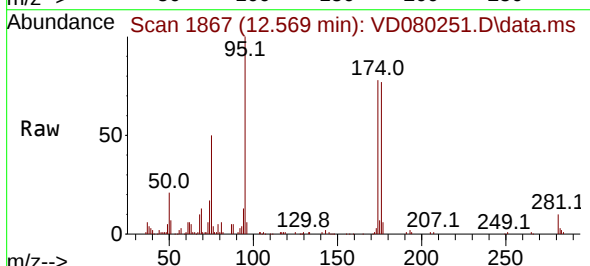
Tgt Ion:107 Resp: 449
Ion Ratio Lower Upper
107 100
109 87.0 75.1 112.7

Manual Integrations
APPROVED

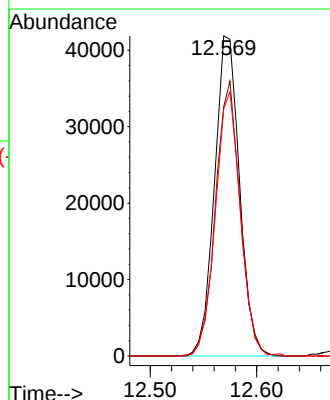
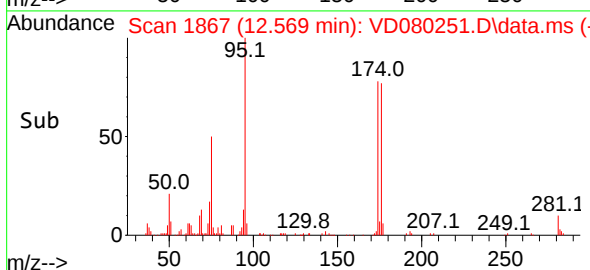
Reviewed By :Mahesh Dadoda 02/07/2025
Supervised By :Semsettin Yesilyurt 02/07/2025

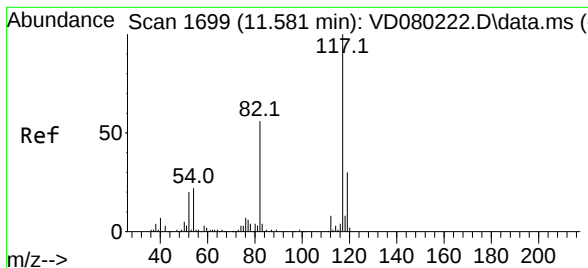


#62
4-Bromofluorobenzene
Concen: 44.946 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57



Tgt Ion: 95 Resp: 68225
Ion Ratio Lower Upper
95 100
174 84.5 0.0 171.8
176 82.5 0.0 159.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD080251.D

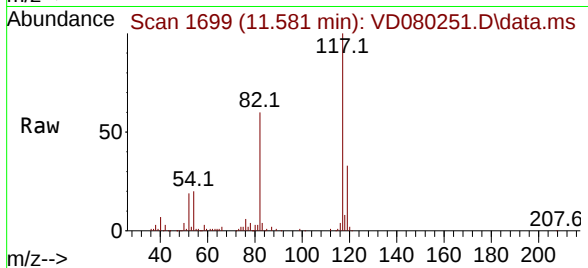
Acq: 06 Feb 2025 15:57

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:117 Resp: 16992

Ion Ratio Lower Upper

117 100

82 60.0 45.0 67.6

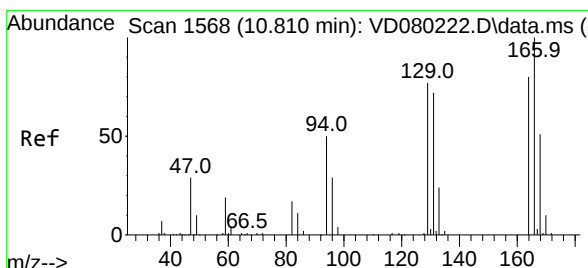
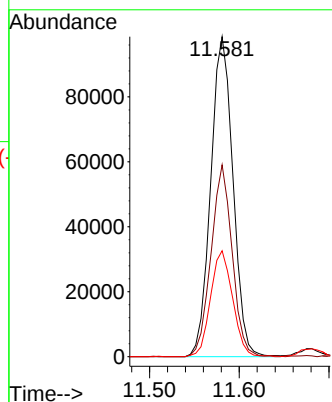
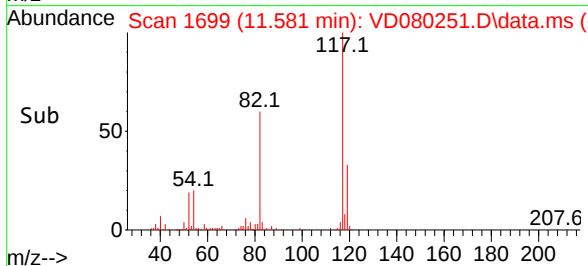
119 33.1 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 02/07/2025

Supervised By :Semsettin Yesilyurt 02/07/2025



#64

Tetrachloroethene

Concen: 4.011 ug/l

RT: 10.804 min Scan# 1567

Delta R.T. -0.006 min

Lab File: VD080251.D

Acq: 06 Feb 2025 15:57

Tgt Ion:164 Resp: 4761

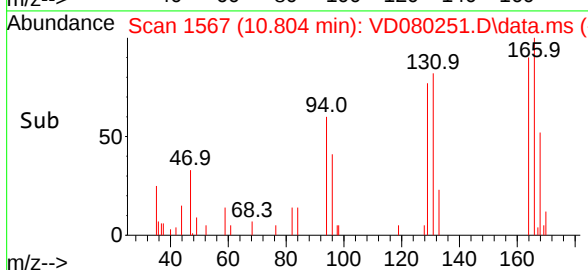
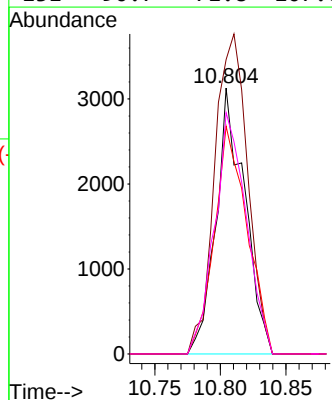
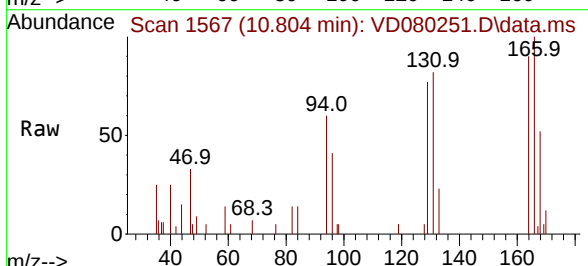
Ion Ratio Lower Upper

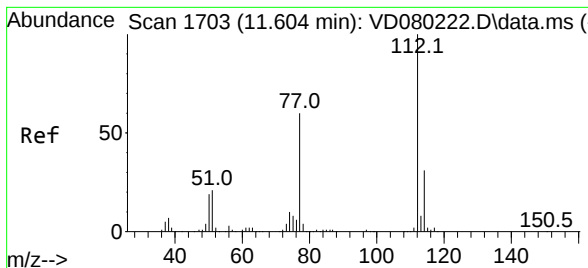
164 100

166 110.7 99.4 149.2

129 85.6 76.3 114.5

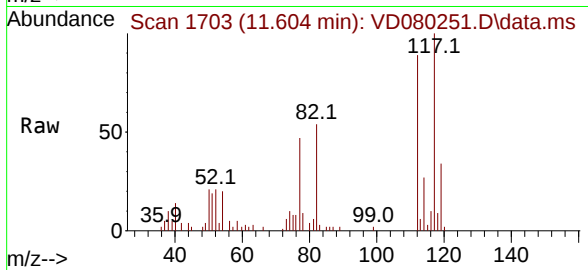
131 90.7 71.8 107.6





#65
Chlorobenzene
Concen: 4.431 ug/l
RT: 11.604 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57

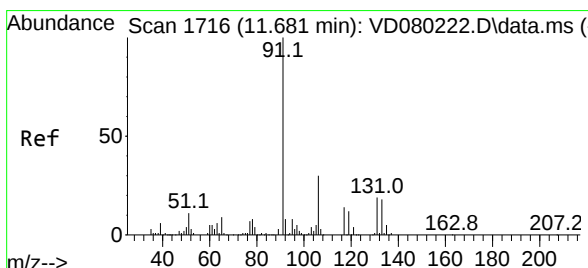
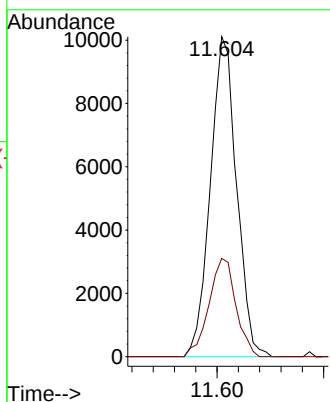
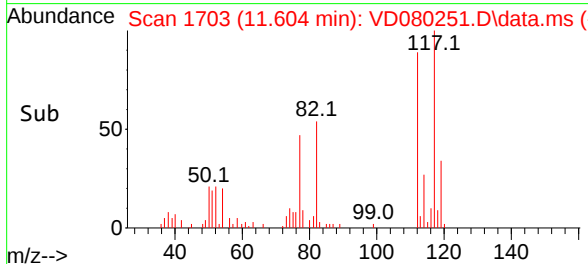
Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



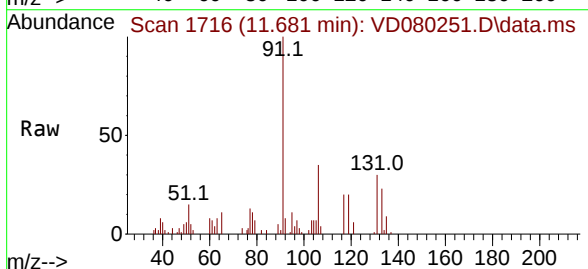
Tgt Ion:112 Resp: 17260
Ion Ratio Lower Upper
112 100
114 30.7 24.5 36.7

Manual Integrations
APPROVED

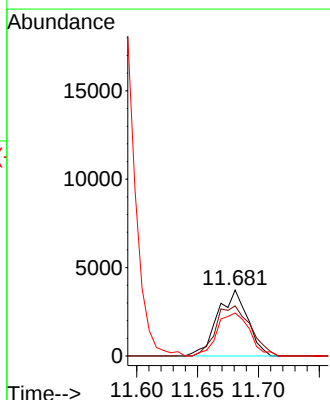
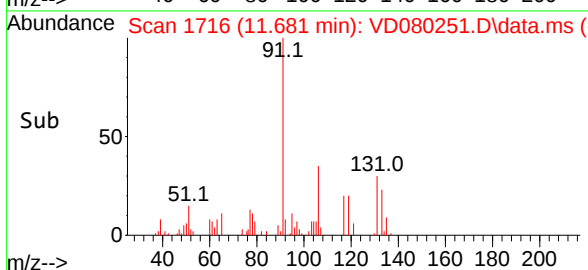
Reviewed By :Mahesh Dadoda 02/07/2025
Supervised By :Semsettin Yesilyurt 02/07/2025

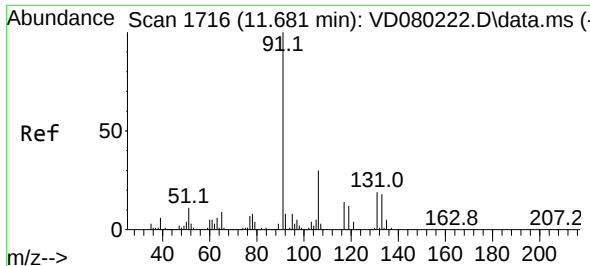


#66
1,1,1,2-Tetrachloroethane
Concen: 4.697 ug/l
RT: 11.681 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57



Tgt Ion:131 Resp: 6400
Ion Ratio Lower Upper
131 100
133 87.6 45.9 137.7
119 70.1 33.9 101.6





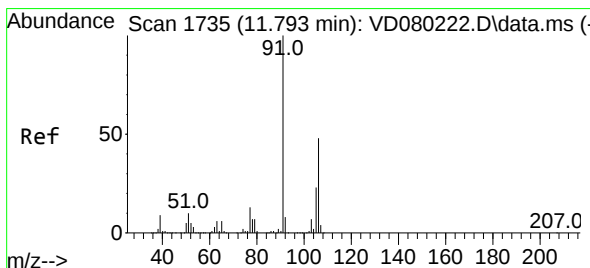
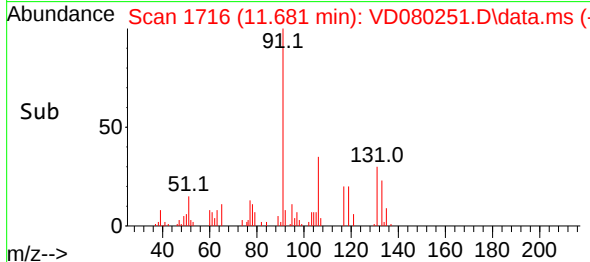
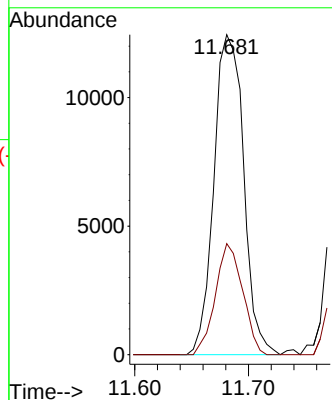
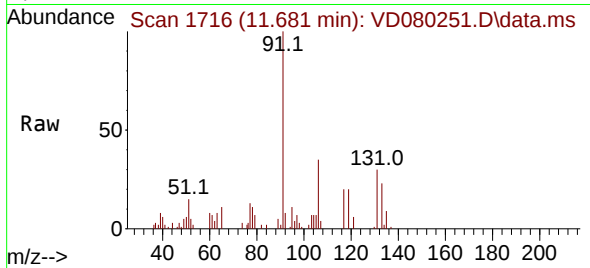
#67
Ethyl Benzene
Concen: 3.488 ug/l
RT: 11.681 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57

Instrument : MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

Tgt Ion: 91 Resp: 2260
Ion Ratio Lower Upper
91 100
106 34.7 23.9 35.9

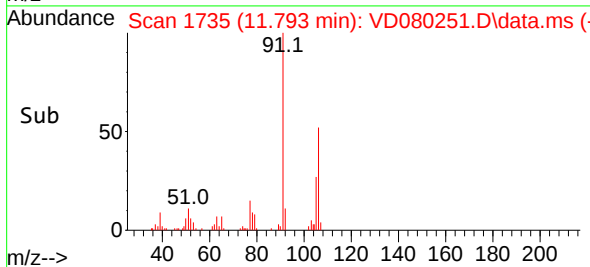
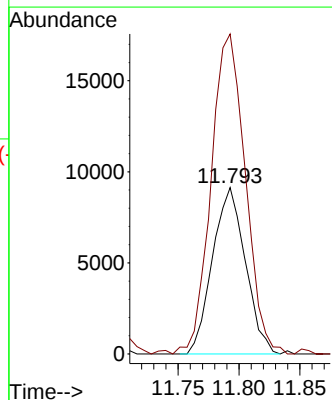
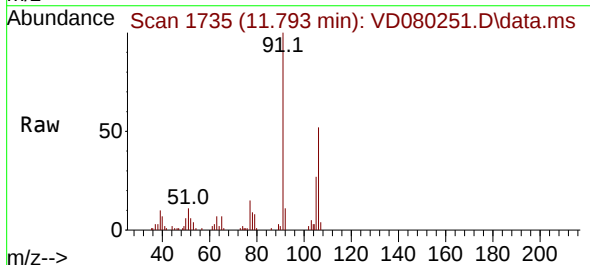
Manual Integrations
APPROVED

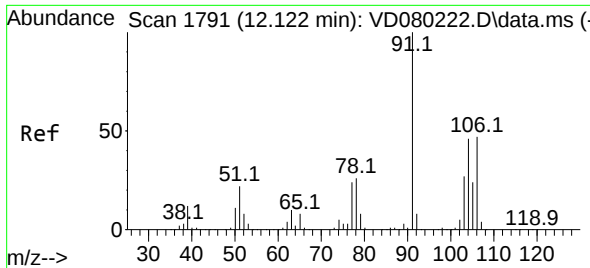
Reviewed By :Mahesh Dadoda 02/07/2025
Supervised By :Semsettin Yesilyurt 02/07/2025



#68
m/p-Xylenes
Concen: 6.822 ug/l
RT: 11.793 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57

Tgt Ion:106 Resp: 17160
Ion Ratio Lower Upper
106 100
91 201.0 165.8 248.8





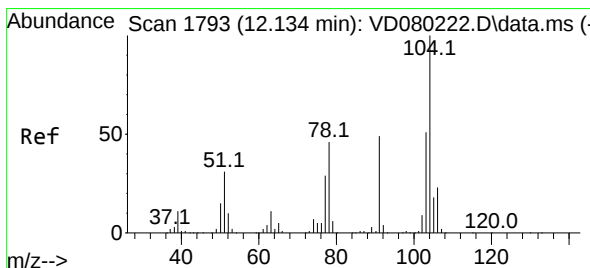
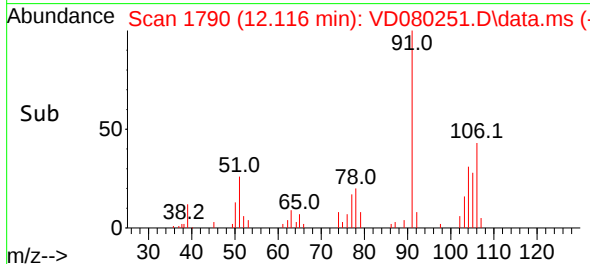
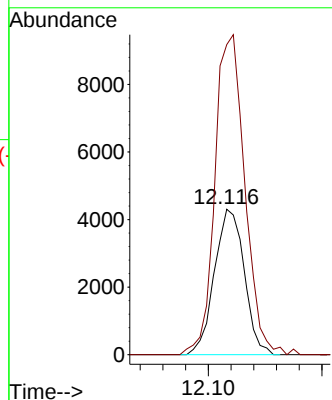
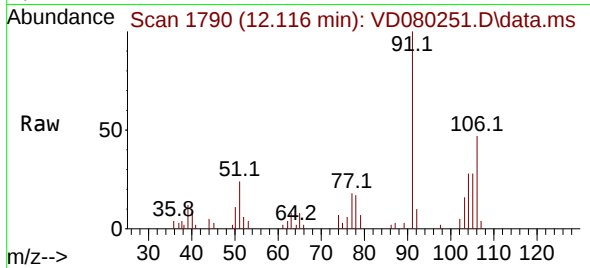
#69
o-Xylene
Concen: 3.422 ug/l
RT: 12.116 min Scan# 1790
Delta R.T. -0.006 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57

Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025

Tgt Ion:106 Resp: 7849
Ion Ratio Lower Upper
106 100
91 221.0 107.7 323.3

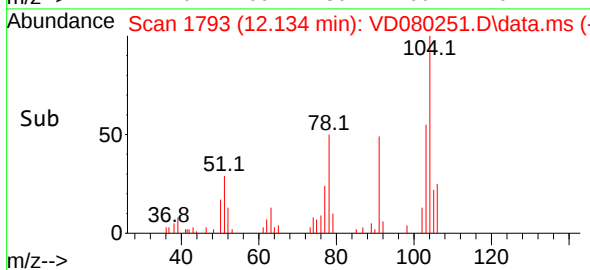
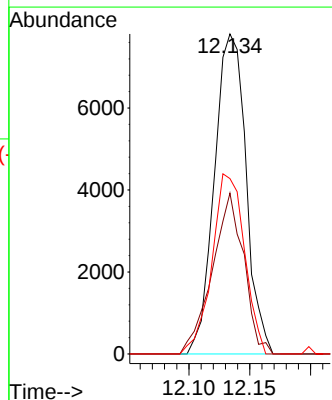
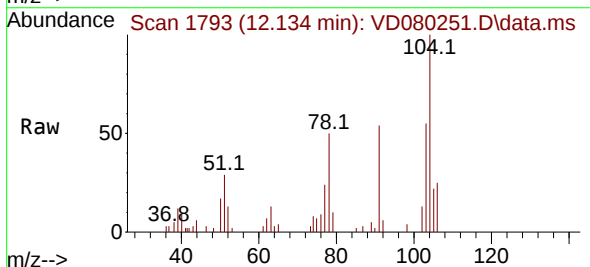
Manual Integrations
APPROVED

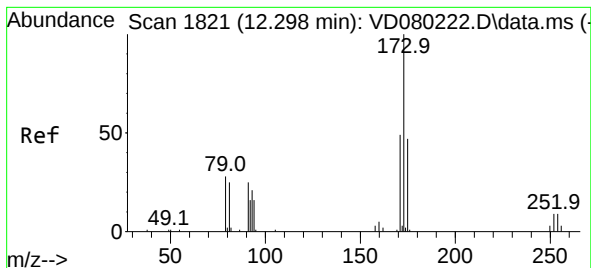
Reviewed By :Mahesh Dadoda 02/07/2025
Supervised By :Semsettin Yesilyurt 02/07/2025



#70
Styrene
Concen: 3.447 ug/l
RT: 12.134 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57

Tgt Ion:104 Resp: 14073
Ion Ratio Lower Upper
104 100
78 50.1 40.7 61.1
103 57.7 45.0 67.4





#71

Bromoform

Concen: 4.483 ug/l

RT: 12.298 min Scan# 1821

Delta R.T. 0.000 min

Lab File: VD080251.D

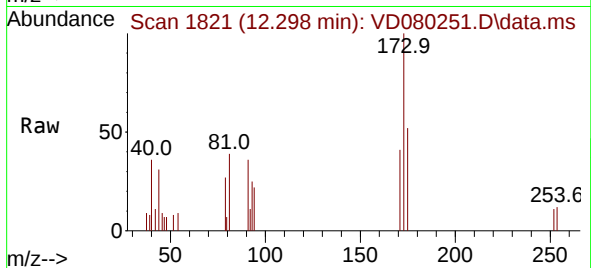
Acq: 06 Feb 2025 15:57

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

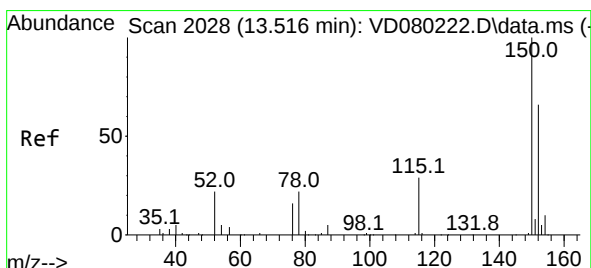
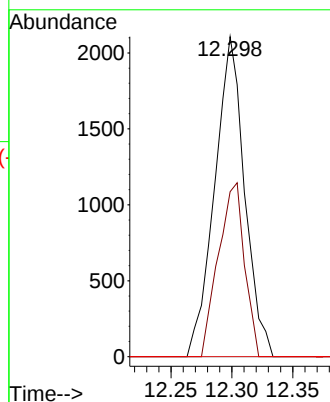
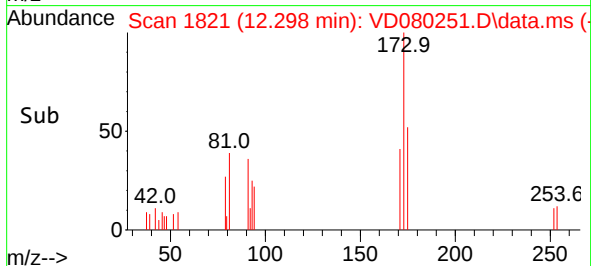


Tgt Ion:	173	Resp:	360
Ion Ratio	Lower	Upper	
173	100		
175	47.4	23.4	70.0
254	0.0	0.0	0.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 02/07/2025
Supervised By :Semsettin Yesilyurt 02/07/2025



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

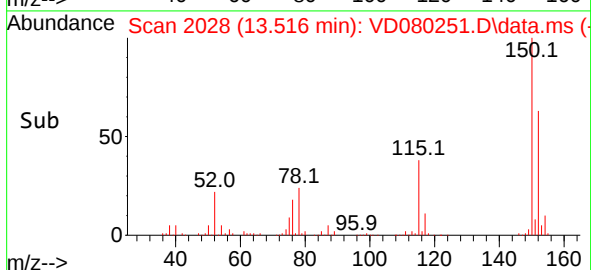
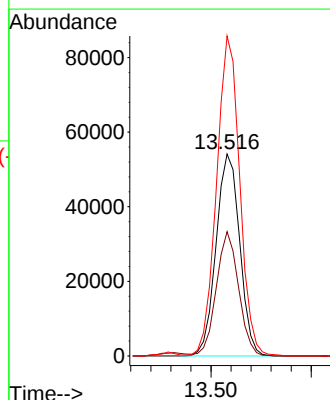
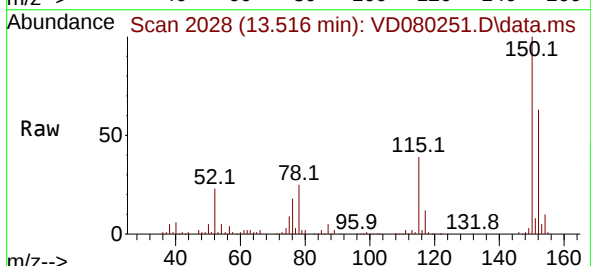
RT: 13.516 min Scan# 2028

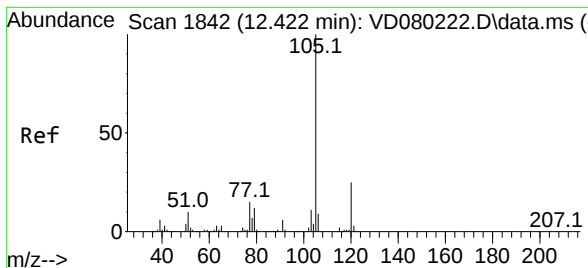
Delta R.T. 0.000 min

Lab File: VD080251.D

Acq: 06 Feb 2025 15:57

Tgt Ion:	152	Resp:	88413
Ion Ratio	Lower	Upper	
152	100		
115	58.0	30.0	90.1
150	155.5	0.0	350.4





#73

Isopropylbenzene

Concen: 3.315 ug/l

RT: 12.416 min Scan# 1842

Delta R.T. -0.006 min

Lab File: VD080251.D

Acq: 06 Feb 2025 15:57

Instrument :

MSVOA_D

ClientSampleId :

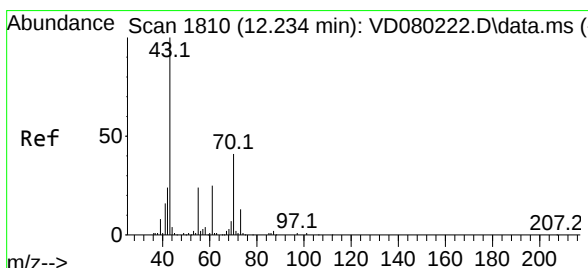
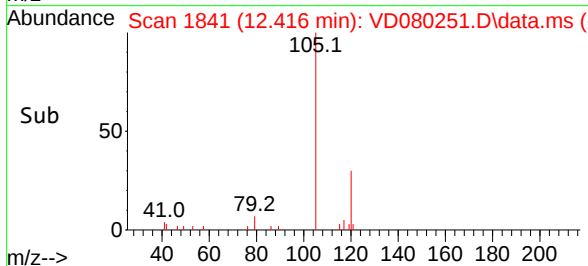
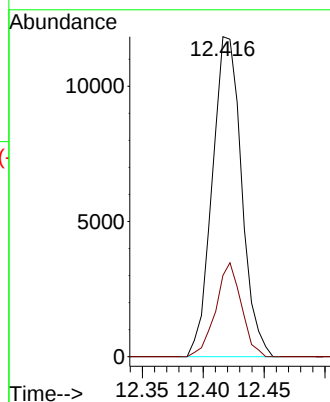
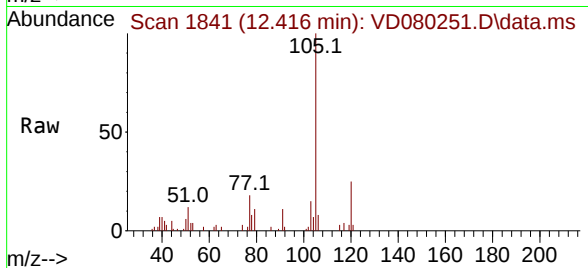
LOD-MDL-SOIL-01-QT1-2025

Tgt Ion:105 Resp: 1982
 Ion Ratio Lower Upper
 105 100
 120 25.5 12.9 38.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 02/07/2025
 Supervised By :Semsettin Yesilyurt 02/07/2025



#74

N-ethyl acetate

Concen: 3.986 ug/l

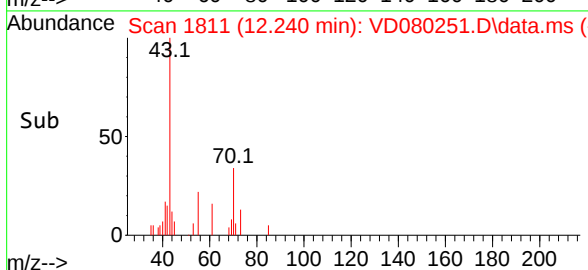
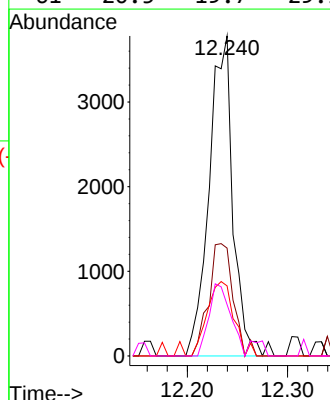
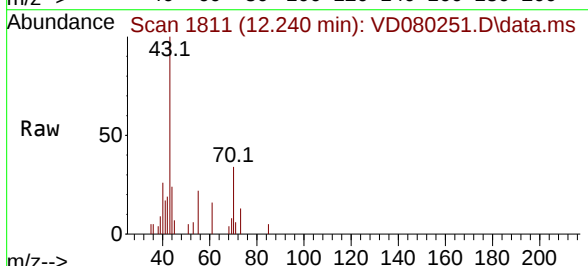
RT: 12.240 min Scan# 1811

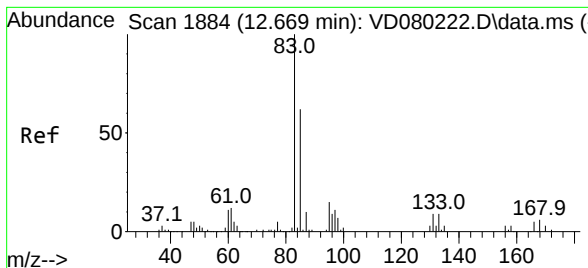
Delta R.T. 0.006 min

Lab File: VD080251.D

Acq: 06 Feb 2025 15:57

Tgt Ion: 43 Resp: 6266
 Ion Ratio Lower Upper
 43 100
 70 36.1 33.6 50.4
 55 25.8 21.4 32.0
 61 20.5 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 4.659 ug/l

RT: 12.675 min Scan# 1885

Delta R.T. 0.006 min

Lab File: VD080251.D

Acq: 06 Feb 2025 15:57

Instrument :

MSVOA_D

ClientSampleId :

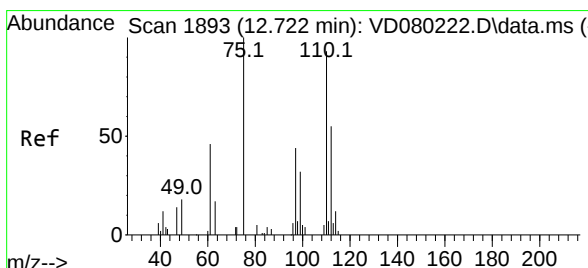
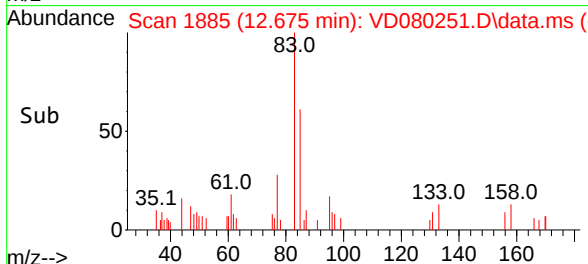
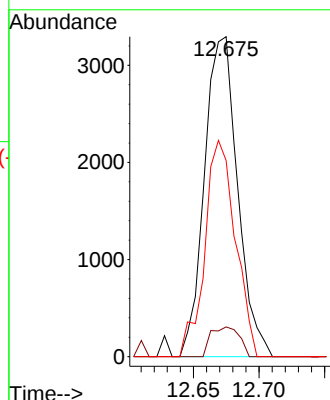
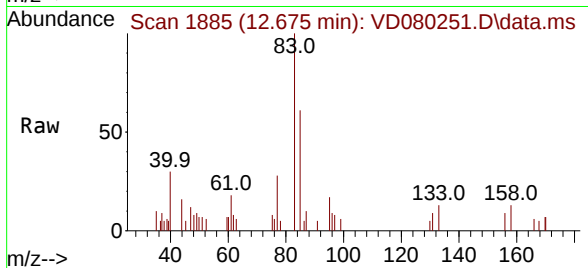
LOD-MDL-SOIL-01-QT1-2025

Tgt Ion: 83	Resp: 5798
Ion Ratio	Lower Upper
83 100	
131 7.9	4.9 14.6
85 62.3	32.4 97.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 02/07/2025
Supervised By :Semsettin Yesilyurt 02/07/2025



#76

1,2,3-Trichloropropane

Concen: 4.377 ug/l m

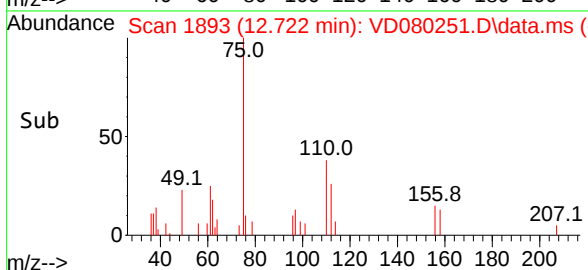
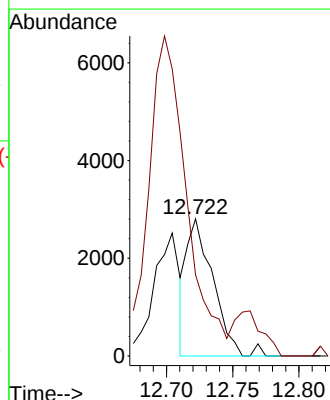
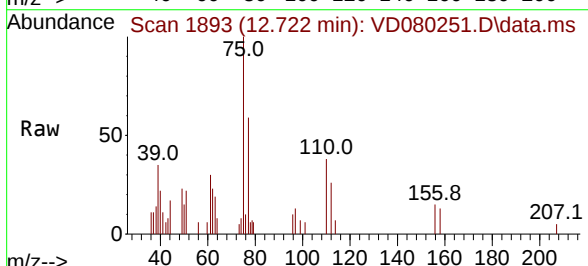
RT: 12.722 min Scan# 1893

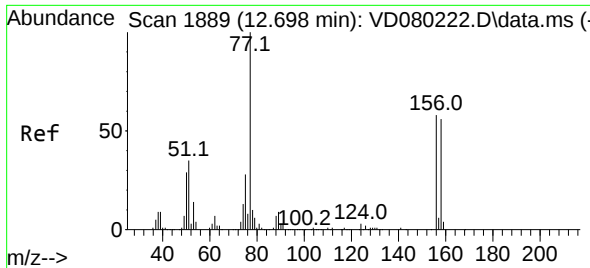
Delta R.T. 0.000 min

Lab File: VD080251.D

Acq: 06 Feb 2025 15:57

Tgt Ion: 75	Resp: 3914
Ion Ratio	Lower Upper
75 100	
77 0.0	0.0 0.0





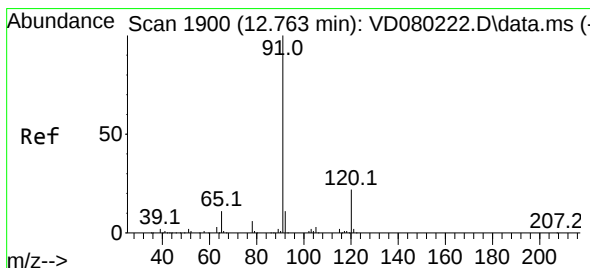
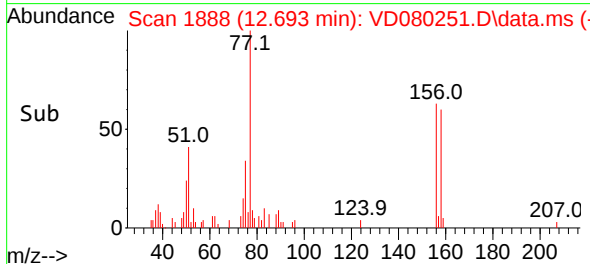
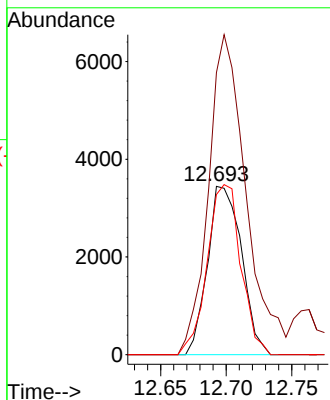
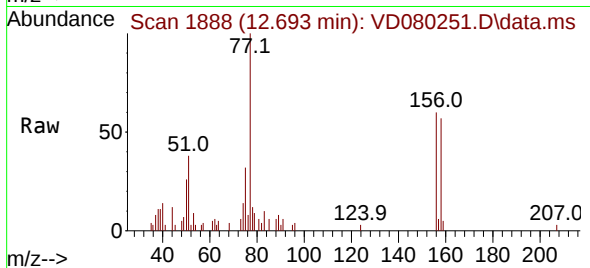
#77
Bromobenzene
Concen: 4.027 ug/l
RT: 12.693 min Scan# 1889
Delta R.T. -0.006 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57

Instrument : MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

Tgt Ion	Ratio	Lower	Upper
156	100		
77	209.5	95.2	285.4
158	99.9	47.8	143.3

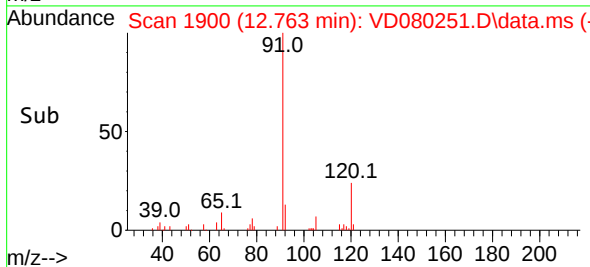
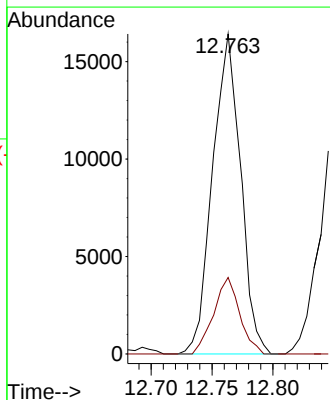
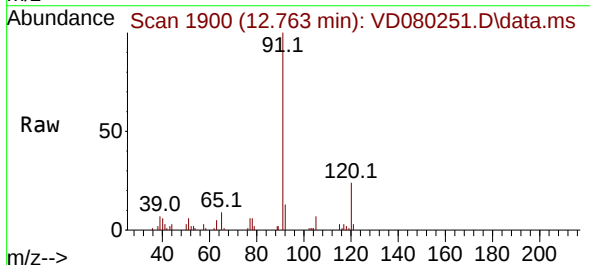
Manual Integrations
APPROVED

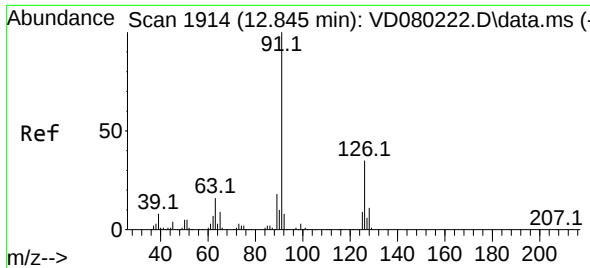
Reviewed By :Mahesh Dadoda 02/07/2025
Supervised By :Semsettin Yesilyurt 02/07/2025



#78
n-propylbenzene
Concen: 3.451 ug/l
RT: 12.763 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57

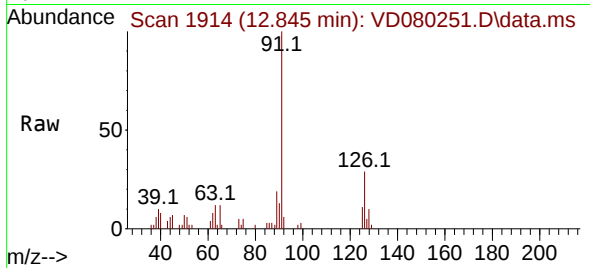
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.0	33.0





#79
2-Chlorotoluene
Concen: 3.793 ug/l
RT: 12.845 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57

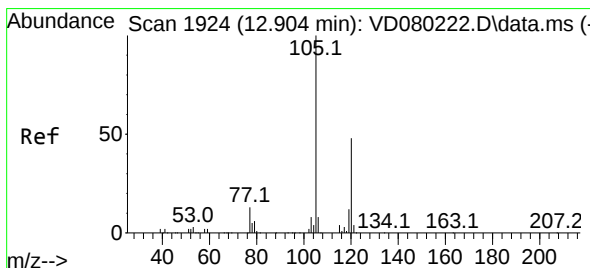
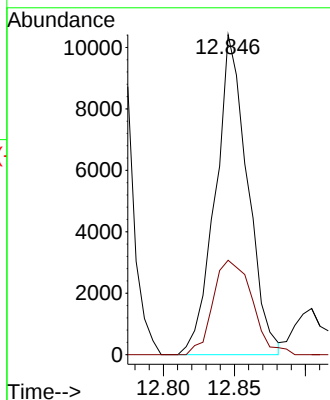
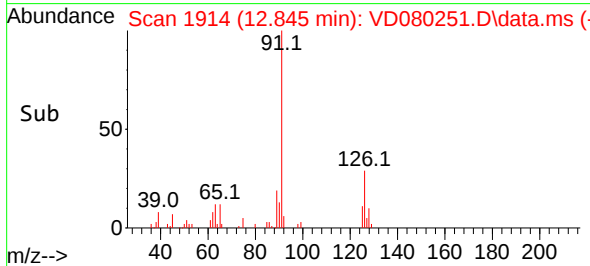
Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



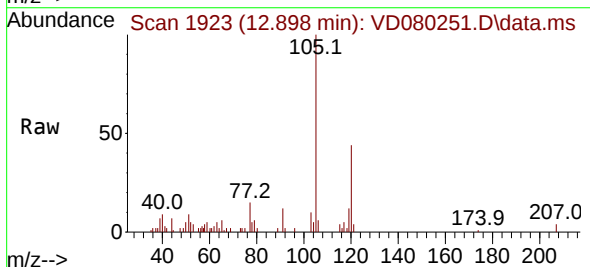
Tgt Ion: 91 Resp: 16400
Ion Ratio Lower Upper
91 100
126 35.9 16.8 50.4

Manual Integrations
APPROVED

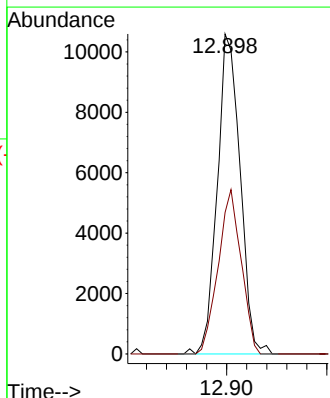
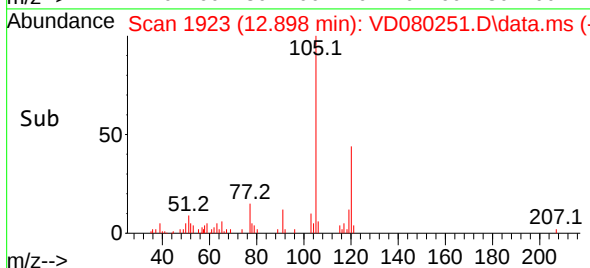
Reviewed By :Mahesh Dadoda 02/07/2025
Supervised By :Semsettin Yesilyurt 02/07/2025

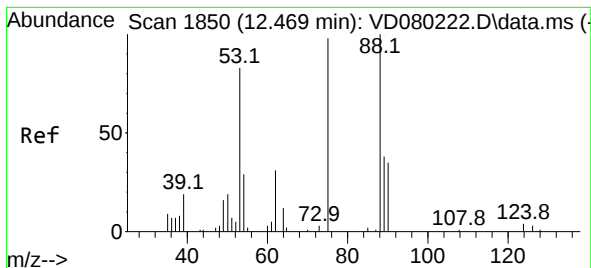


#80
1,3,5-Trimethylbenzene
Concen: 3.339 ug/l
RT: 12.898 min Scan# 1923
Delta R.T. -0.006 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57



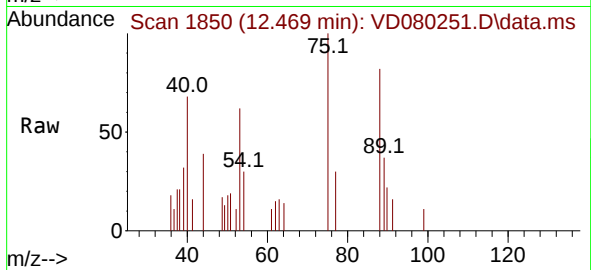
Tgt Ion:105 Resp: 16699
Ion Ratio Lower Upper
105 100
120 51.8 23.5 70.5





#81
trans-1,4-Dichloro-2-butene
Concen: 4.143 ug/l
RT: 12.469 min Scan# 1850
Delta R.T. 0.000 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57

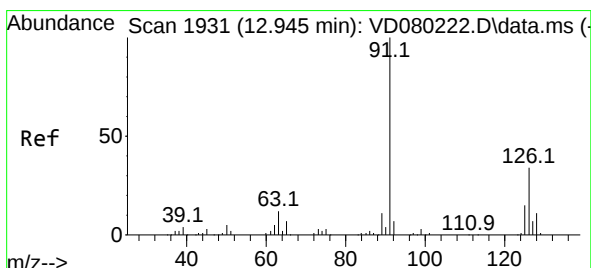
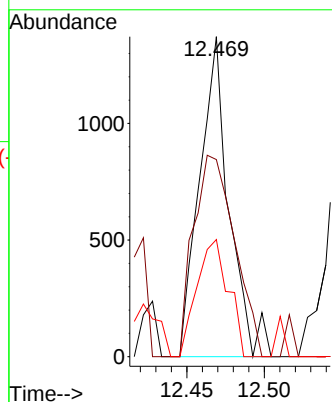
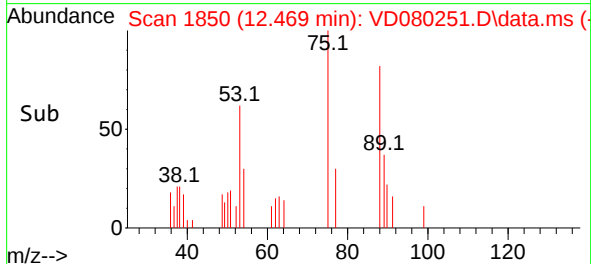
Instrument : MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion: 75 Resp: 1812
Ion Ratio Lower Upper
75 100
53 87.9 69.1 103.7
89 39.2 36.5 54.7

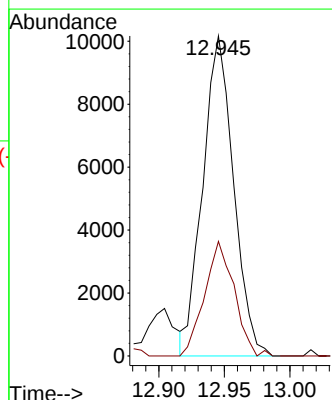
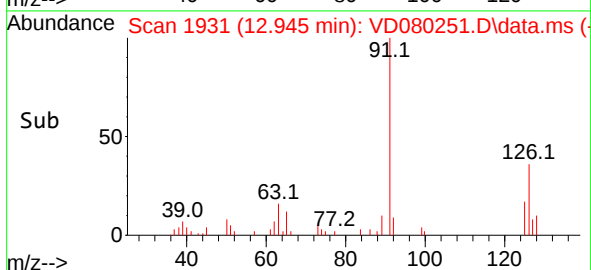
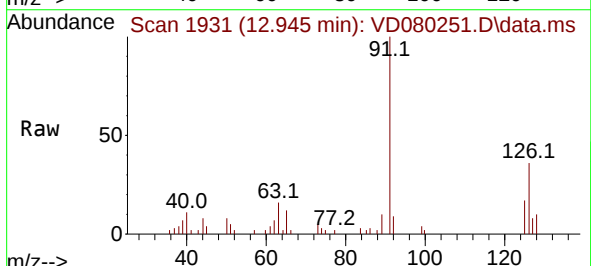
Manual Integrations
APPROVED

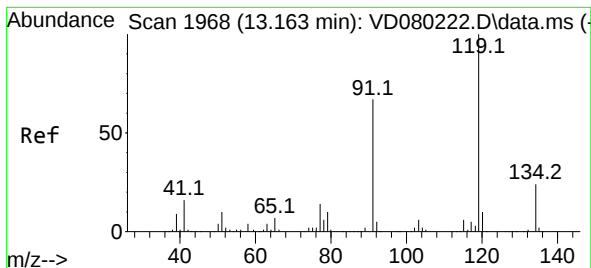
Reviewed By :Mahesh Dadoda 02/07/2025
Supervised By :Semsettin Yesilyurt 02/07/2025



#82
4-Chlorotoluene
Concen: 3.613 ug/l
RT: 12.945 min Scan# 1931
Delta R.T. 0.000 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57

Tgt Ion: 91 Resp: 16608
Ion Ratio Lower Upper
91 100
126 34.4 16.9 50.6





#83

tert-Butylbenzene

Concen: 3.448 ug/l

RT: 13.163 min Scan# 1968

Delta R.T. 0.000 min

Lab File: VD080251.D

Acq: 06 Feb 2025 15:57

Instrument :

MSVOA_D

ClientSampleId :

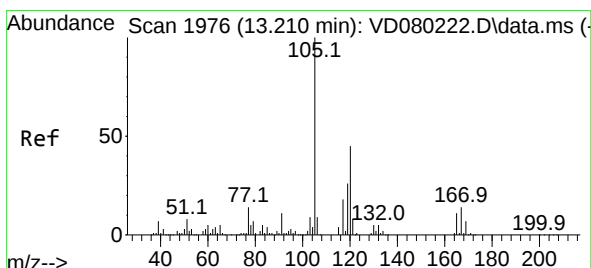
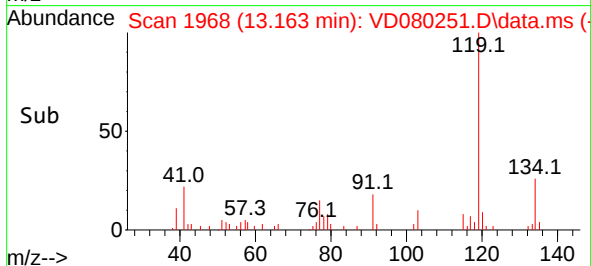
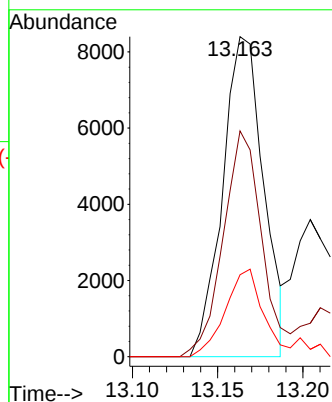
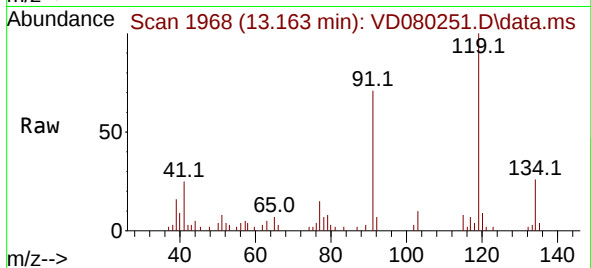
LOD-MDL-SOIL-01-QT1-2025

Tgt Ion:	119	Resp:	14098
Ion Ratio	Lower	Upper	
119	100		
91	66.2	34.5	103.5
134	25.2	13.0	38.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 02/07/2025
Supervised By :Semsettin Yesilyurt 02/07/2025



#84

1,2,4-Trimethylbenzene

Concen: 3.076 ug/l

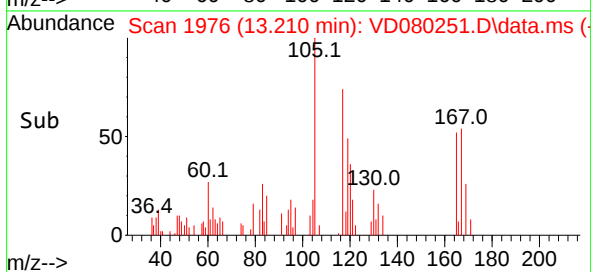
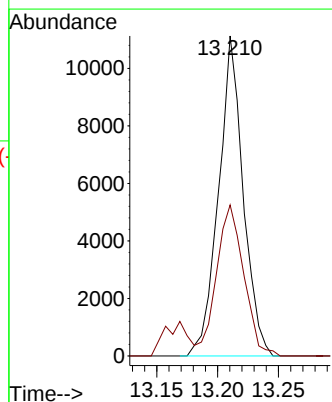
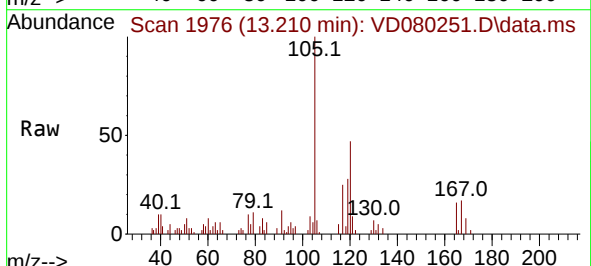
RT: 13.210 min Scan# 1976

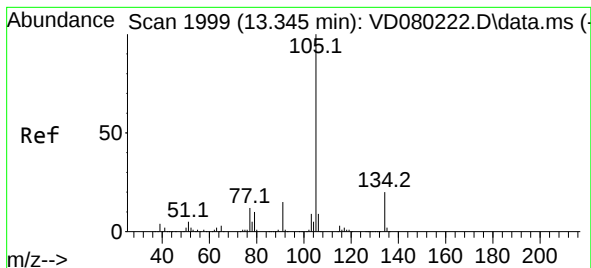
Delta R.T. 0.000 min

Lab File: VD080251.D

Acq: 06 Feb 2025 15:57

Tgt Ion:	105	Resp:	15660
Ion Ratio	Lower	Upper	
105	100		
120	52.2	22.1	66.5





#85

sec-Butylbenzene

Concen: 3.446 ug/l

RT: 13.340 min Scan# 1999

Delta R.T. -0.006 min

Lab File: VD080251.D

Acq: 06 Feb 2025 15:57

Instrument :

MSVOA_D

ClientSampleId :

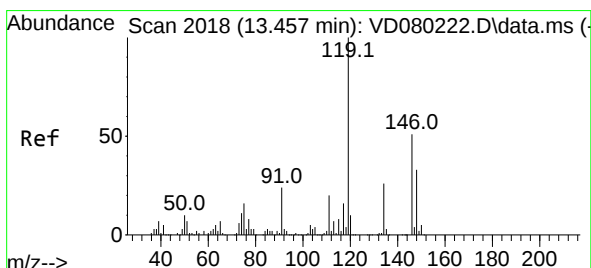
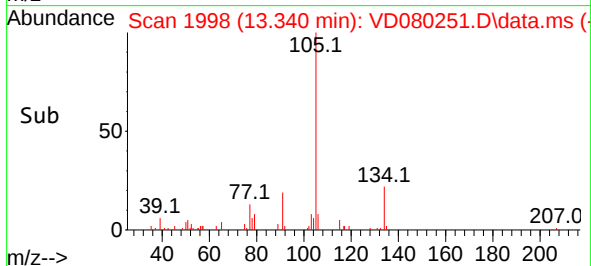
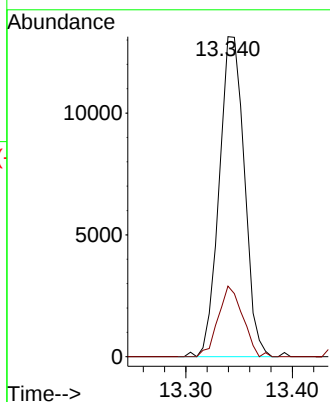
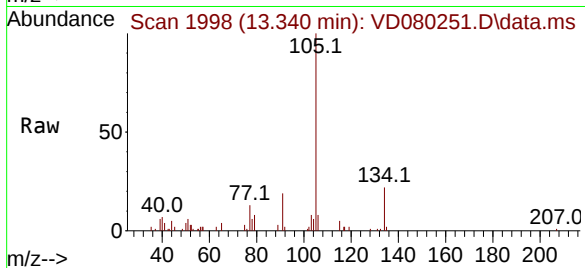
LOD-MDL-SOIL-01-QT1-2025

Tgt Ion:105 Resp: 2154
 Ion Ratio Lower Upper
 105 100
 134 21.5 9.8 29.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 02/07/2025
 Supervised By :Semsettin Yesilyurt 02/07/2025



#86

p-Isopropyltoluene

Concen: 3.427 ug/l

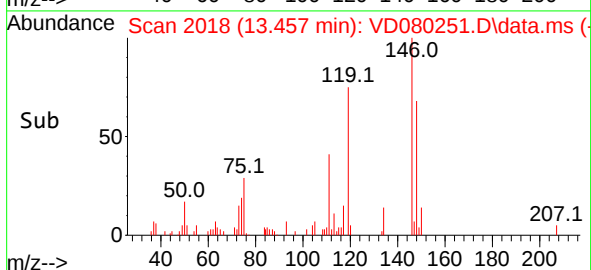
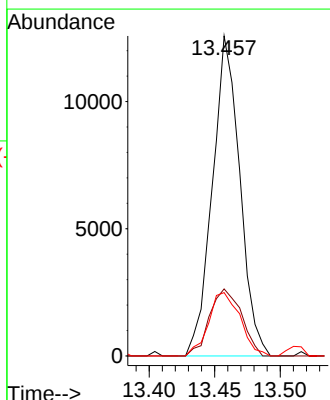
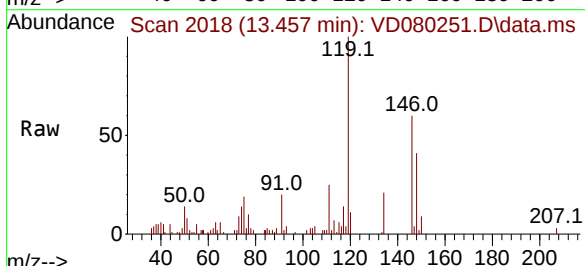
RT: 13.457 min Scan# 2018

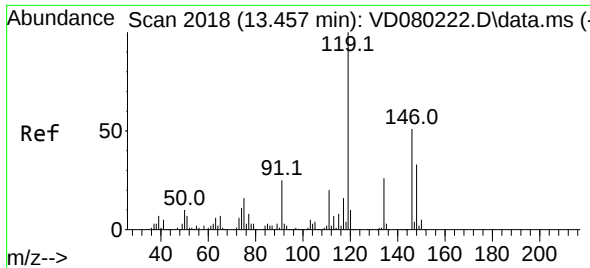
Delta R.T. 0.000 min

Lab File: VD080251.D

Acq: 06 Feb 2025 15:57

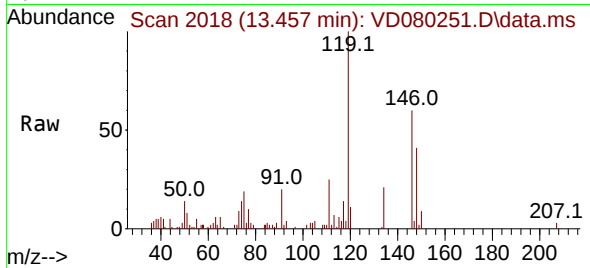
Tgt Ion:119 Resp: 18292
 Ion Ratio Lower Upper
 119 100
 134 24.4 13.3 39.9
 91 22.9 12.4 37.2





#87
1,3-Dichlorobenzene
Concen: 3.876 ug/l
RT: 13.457 min Scan# 2018
Delta R.T. 0.000 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57

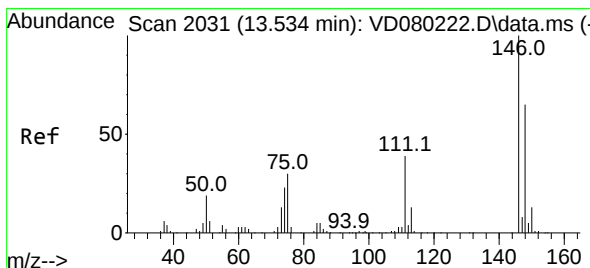
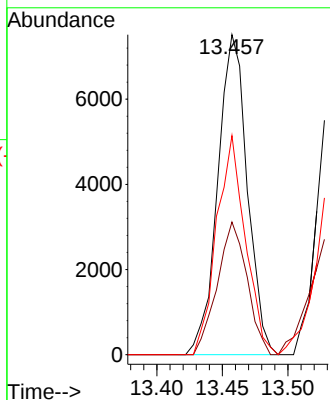
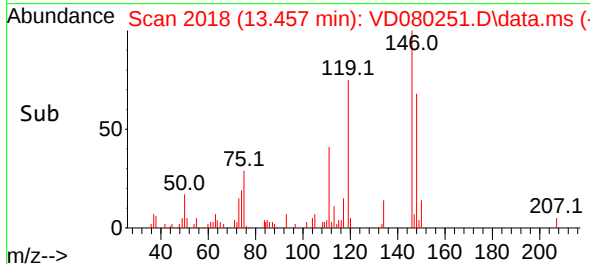
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



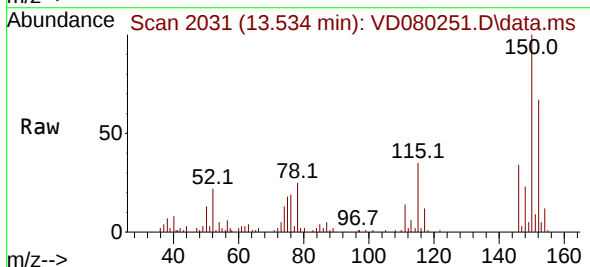
Tgt Ion:146 Resp: 11770
Ion Ratio Lower Upper
146 100
111 41.8 20.5 61.6
148 66.6 32.2 96.6

Manual Integrations
APPROVED

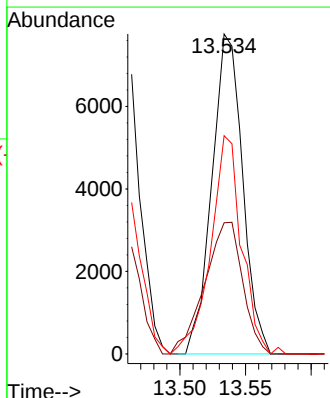
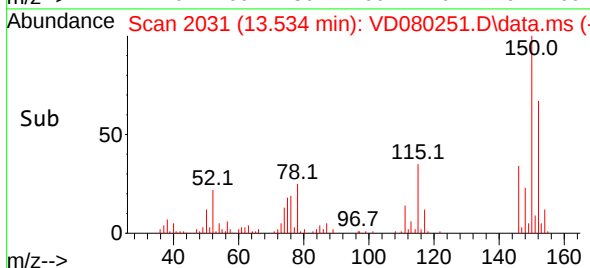
Reviewed By :Mahesh Dadoda 02/07/2025
Supervised By :Semsettin Yesilyurt 02/07/2025

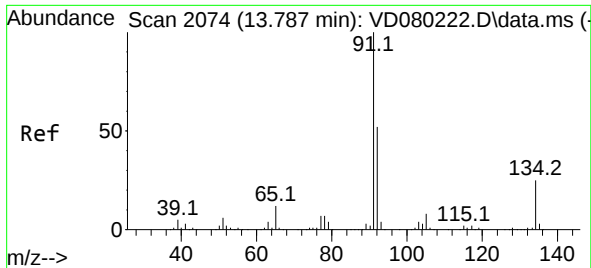


#88
1,4-Dichlorobenzene
Concen: 4.105 ug/l
RT: 13.534 min Scan# 2031
Delta R.T. 0.000 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57



Tgt Ion:146 Resp: 12623
Ion Ratio Lower Upper
146 100
111 50.7 19.7 59.0
148 68.8 32.3 96.8





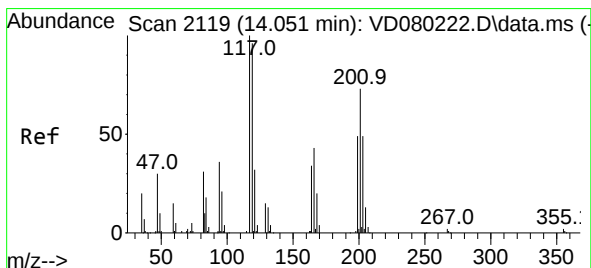
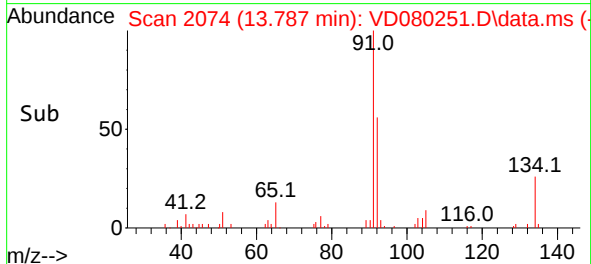
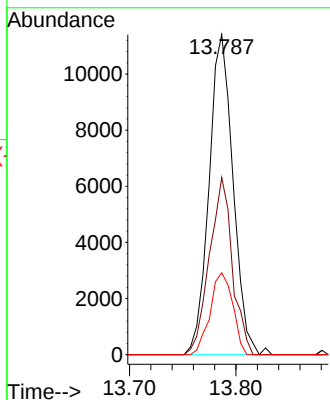
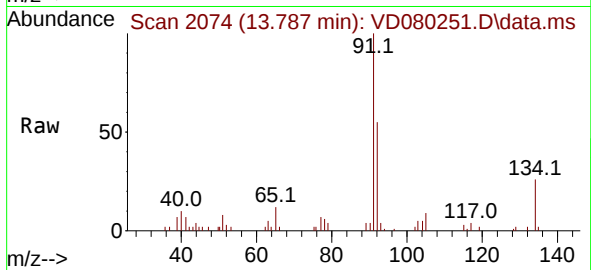
#89
n-Butylbenzene
Concen: 3.447 ug/l
RT: 13.787 min Scan# 2074
Delta R.T. 0.000 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57

Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025

Tgt Ion: 91 Resp: 17880
Ion Ratio Lower Upper
91 100
92 52.8 26.1 78.2
134 24.0 12.4 37.0

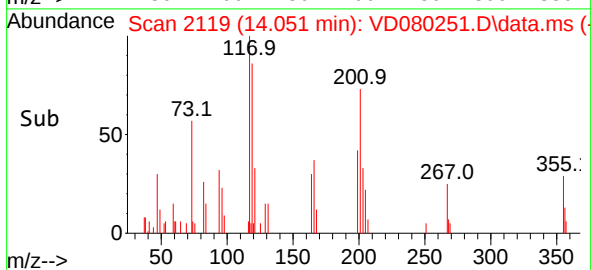
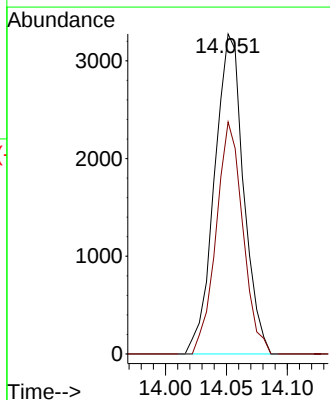
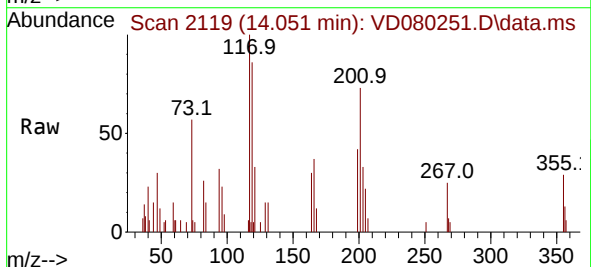
Manual Integrations
APPROVED

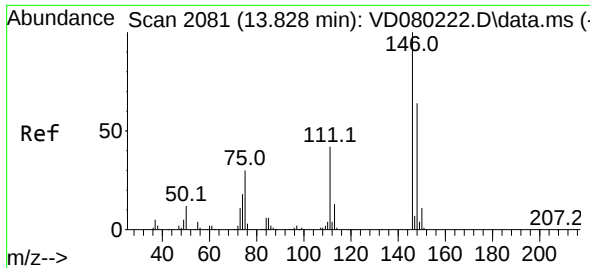
Reviewed By :Mahesh Dadoda 02/07/2025
Supervised By :Semsettin Yesilyurt 02/07/2025



#90
Hexachloroethane
Concen: 4.588 ug/l
RT: 14.051 min Scan# 2119
Delta R.T. 0.000 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57

Tgt Ion:117 Resp: 5443
Ion Ratio Lower Upper
117 100
201 66.6 36.0 108.0





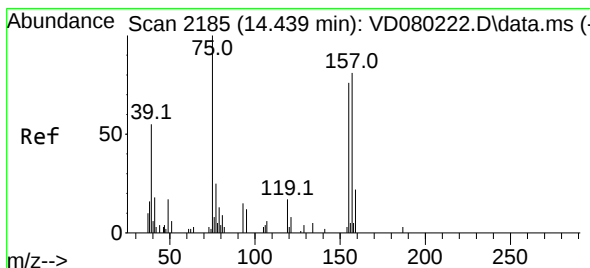
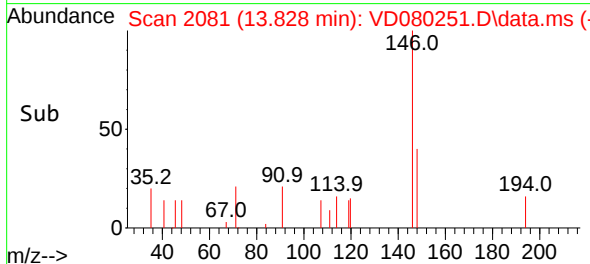
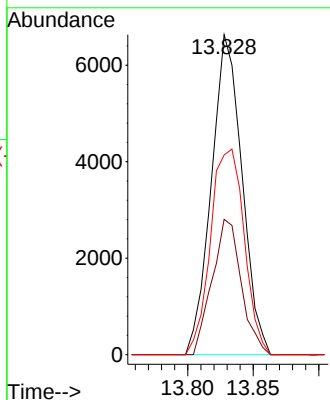
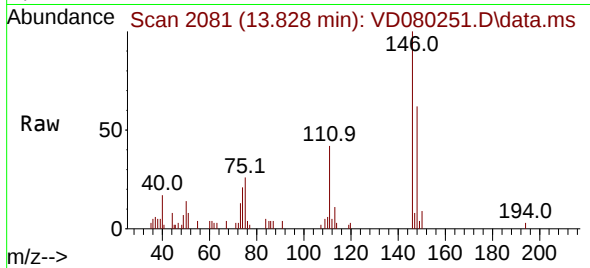
#91
1,2-Dichlorobenzene
Concen: 4.024 ug/l
RT: 13.828 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57

Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025

Tgt Ion:146 Resp: 1077
Ion Ratio Lower Upper
146 100
111 40.3 21.0 63.0
148 70.6 32.5 97.5

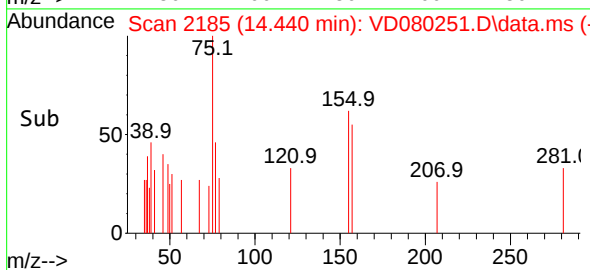
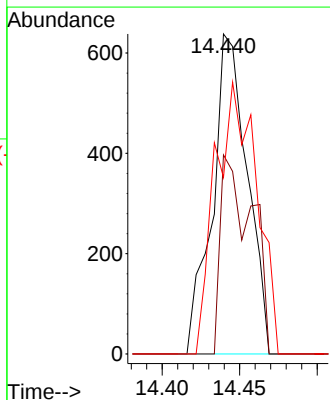
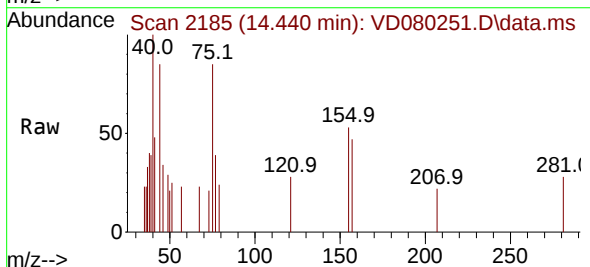
Manual Integrations
APPROVED

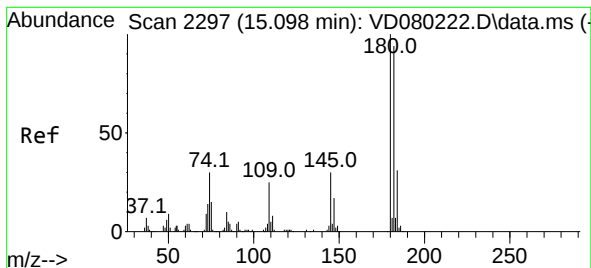
Reviewed By :Mahesh Dadoda 02/07/2025
Supervised By :Semsettin Yesilyurt 02/07/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 5.046 ug/l
RT: 14.440 min Scan# 2185
Delta R.T. 0.000 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57

Tgt Ion: 75 Resp: 999
Ion Ratio Lower Upper
75 100
155 55.9 41.5 124.6
157 100.4 50.5 151.5





#93

1,2,4-Trichlorobenzene

Concen: 3.714 ug/l

RT: 15.098 min Scan# 2297

Delta R.T. 0.000 min

Lab File: VD080251.D

Acq: 06 Feb 2025 15:57

Instrument :

MSVOA_D

ClientSampleId :

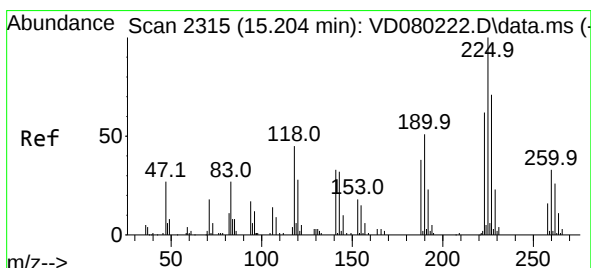
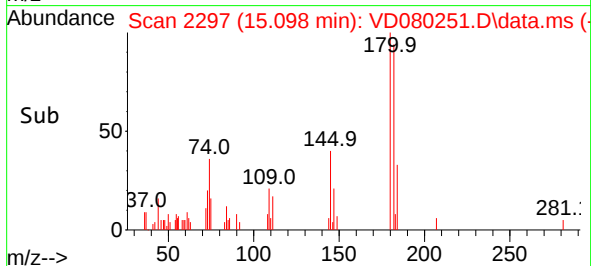
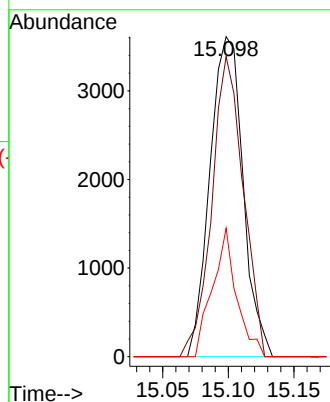
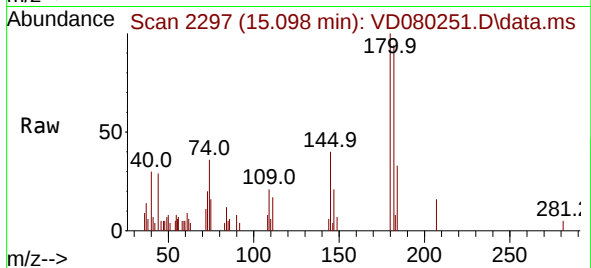
LOD-MDL-SOIL-01-QT1-2025

Tgt Ion:180	Resp:	6338
Ion Ratio	Lower	Upper
180	100	
182	89.1	47.5 142.5
145	29.4	14.6 44.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 02/07/2025
Supervised By :Semsettin Yesilyurt 02/07/2025



#94

Hexachlorobutadiene

Concen: 3.683 ug/l

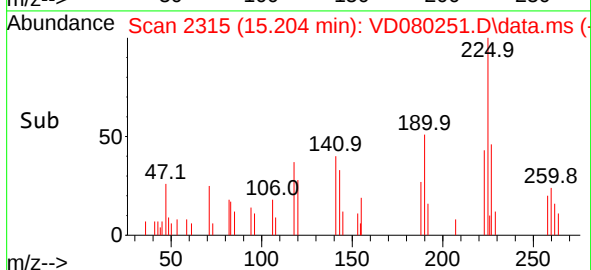
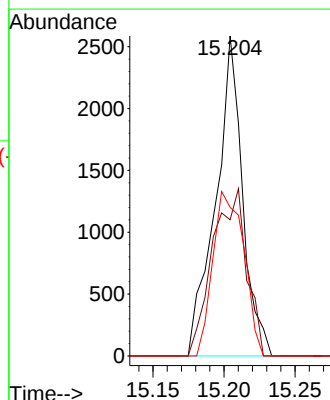
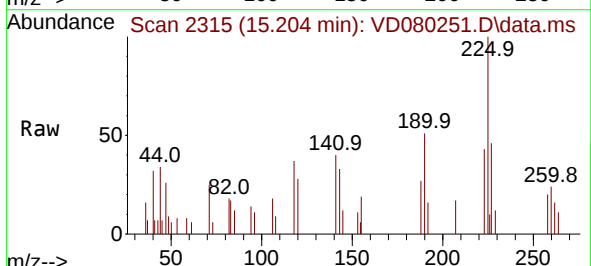
RT: 15.204 min Scan# 2315

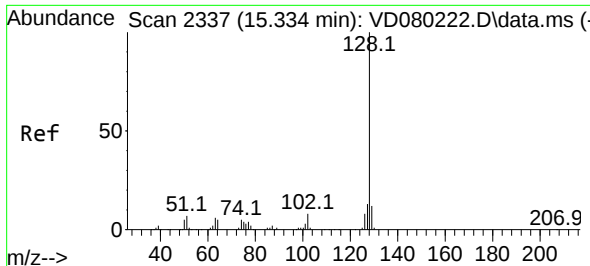
Delta R.T. 0.000 min

Lab File: VD080251.D

Acq: 06 Feb 2025 15:57

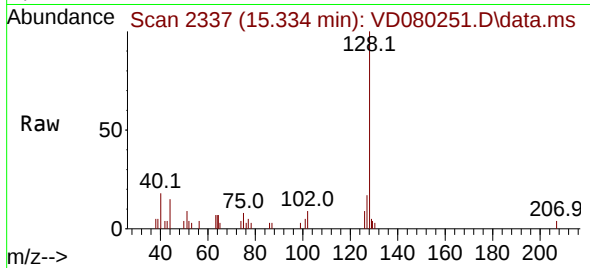
Tgt Ion:225	Resp:	3404
Ion Ratio	Lower	Upper
225	100	
223	65.7	31.3 93.8
227	59.2	32.4 97.2





#95
Naphthalene
Concen: 3.402 ug/l
RT: 15.334 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57

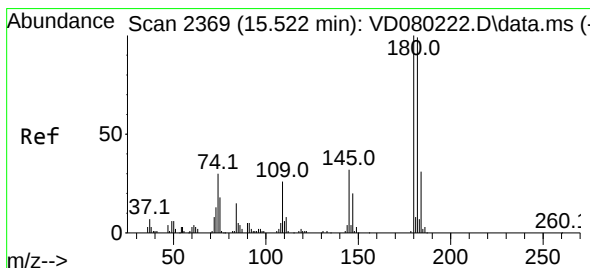
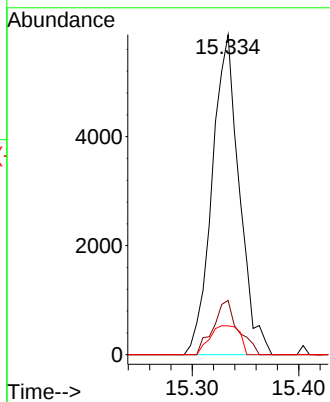
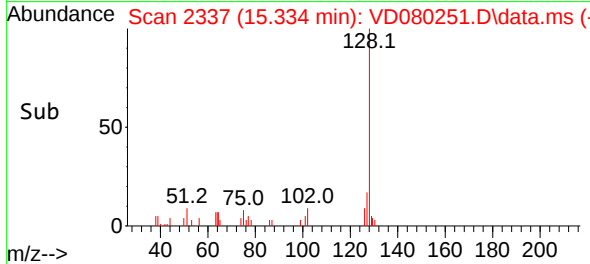
Instrument : MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



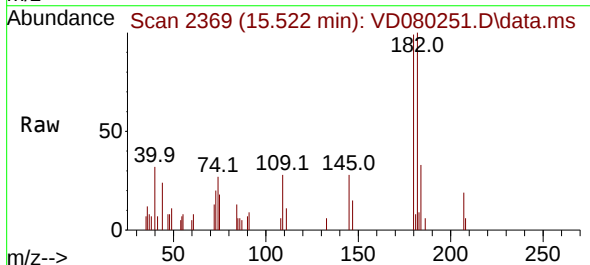
Tgt Ion:128 Resp: 1041
Ion Ratio Lower Upper
128 100
127 16.9 10.6 15.8
129 9.0 9.4 14.0

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/07/2025
Supervised By :Semsettin Yesilyurt 02/07/2025



#96
1,2,3-Trichlorobenzene
Concen: 3.721 ug/l
RT: 15.522 min Scan# 2369
Delta R.T. 0.000 min
Lab File: VD080251.D
Acq: 06 Feb 2025 15:57



Tgt Ion:180 Resp: 5731
Ion Ratio Lower Upper
180 100
182 94.8 47.3 142.0
145 30.5 15.6 46.7

